LC 256
Revised 2-15-30

Letter
Circular
LC 256a

Information Section
Bureau of Standards Washington

SOURCES OF SUPPLY OF COMMODITIES COVERED BY FEDERAL SPECIFICATIONS

Lists of manufacturers who have expressed their desire to supply material in accordance with certain Federal specifications promulgated by the Federal Specifications Board, and their willingness to certify to the purchasers, upon request, that the material thus supplied complies with the requirements and tests of these specifications, and is so guaranteed by them.

The lists are continuously subject to revision and enlargement. From time to time additions are being made to both the number of lists of "willing-to-certify" manufacturers, and the number of manufacturers on the individual lists.

Purchasers who might be inclined to do business with unknown or untried manufacturers whose names appear on the "willing-to-certify" lists should not fail to insist upon receiving from such manufacturers properly signed certificates guaranteeing compliance with the specification requirements.

In order to avoid delay and confusion, when placing orders and requesting certificates from "willing-to-certify" manufacturers, the correspondence should always be conducted with the individual officer of the company whose name appears on the "willing-to-certify" list. This officer can be assumed to be familiar with the specification and with the plan for issuing certificates, whereas other officers of the same company may be unfamiliar therewith.

It is to be definitely understood that the certificates are to be issued by the manufacturers to the purchasers, and not to the Bureau of Standards, which assumes no responsibility of any kind in connection with the transaction. The purchaser must take such steps as he considers desirable to determine whether or not the commodities delivered do actually comply with the specifications.

A list of all known commercial testing laboratories throughout the country, classified according to commodities and localities, has been prepared by the Bureau of Standards for the convenience of both the producers and the consumers - the manufacturers and the purchasers. This list, together with a list of college research laboratories, is issued as Bureau of Standards Miscellaneous Publication No. 90, under the title, "Directory of Commercial Testing and College Research Laboratories". It is for sale exclusively by the Superintendent of Documents, United States Government Printing Office, Washington, D. C. Price 15 cents per copy.

February 15, 1930

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

FACILITATING THE USE OF SPECIFICATIONS

An analysis of the status of the making and the utilization of specifications reveals the fact that many excellent specifications well recognized throughout industry are not being widely used at the present time because of the inability on the part of most purchasers to determine whether or not commodities delivered correspond to the specification requirements. A great impetus to the popularizing of the use of specifications could be given by eliminating this disadvantage to the small-quantity purchaser.

As a solution to the problem of eliminating the above-mentioned disadvantage and thereby facilitating the use of specifications, use is being made of the so-called "certification plan".

Certification Plan

In carrying out this plan there are compiled lists of manufacturers who have expressed their desire to supply material in accordance with certain selected specifications, and their willingness to certify to the purchaser, upon request, that the material thus supplied is guaranteed to comply with the requirements and tests of the specifications.

From time to time the State and other public purchasing agents have sought the assistance of the United States Department of Commerce in the formulation of standards, specifications, and methods of tests for their purchases. Every effort is, therefore, being exerted to make the certification plan as effective as possible for "public purchasers", that is, purchasers for the Federal, State, county, and municipal governments who are spending the money collected from the public in the form of taxes.

Below are indicated 248 of the Federal specifications to which the certification plan has been applied. There have been compiled by the National Bureau of Standards 248 lists of such firms as have expressed to the Bureau their willingness, when requested to do so, to certify to purchasers that material supplied on contracts based on the designated 248 Federal specifications complies with the requirements and tests of these specifications, and is so guaranteed by them. Additions and corrections to these lists are being made from time to time.

These lists are not published; their distribution is limited to governmental and institutional purchasers, Federal, State, county, and municipal. They are sent to others only upon specific request or to officers of interested associations and societies for comment and criticism.

The groups of commodities covered by the specifications together with numerical reference to the individual specifications, are as follows:

BRUSHES AND BROOMS

191	201	396a	406b	518a
192	202	397a	407	519a
193	203	398	511	520a
194	204	399b	512a	521a
195a	205	400a	513a	522a
196	206	401b	514a	523
197	207	402a	515a	524b
198	208a	403a	516a	525a
199	332	404b	517a	526a
200	333a	405a		

BUILDERS HARDWARE

336

CEMENT, PORTLAND

1a

ELECTRICAL SUPPLIES

23c	58a	175	311
55	62	291	312
57	65	292	

GLASS

123

INKS

163	165	265a	379
164	166	266a	

LEATHER GOODS

37 183 184 241

LIME AND PLASTER

247 248 249 250

LIQUID MEASURING DEVICES

362

PACKING AND GASKETS

93	100	105	108	487
95	101c	106	485	
99	102	107	486	

FIRE EXTINGUISHERS AND LIQUID

36a 124 213

PAINT AND PAINT MATERIALS

4b	10b	16	22	278
5	11	17	66	283
6	12	18b	67	375
7b	13b	19	115	376
8	14b	20a	137a	475b
9	15	21b	239a	476

PAPER

127a	133a	182a	324	330
128a	177a	319	325	331a
129a	178a	320	326	425
130a	179	321	327	426
131a	180	322	328	484a
132a	181	323	329	

PIPE AND PIPE FITTINGS

162a	342a	393	535
242	343a	489	

REFRACTORIES

268a 334a 335a

RIBBONS, TYPEWRITER, ETC.

167a 168a 169a

ROAD AND PAVING MATERIALS

275	277	280	282
276a	279	281	

ROOFING, BITUMINOUS & WATERPROOFING

80	84	88	296
81	85	214	380
82	86	294	423
83	87	295	424

ROPE, WIRE

297

SAFES, BURGLAR RESISTING

363

PADLOCKS

413a

SCALES, RAILROAD TRACK

314

SCREWS, WOOD

52a

SOAPS AND SCOURING COMPOUNDS

26	29	32	35	246
27	30	33a	244	
28	31	34a	245	

TABLEWARE, SILVERPLATED

411

TEXTILES

Bed Supplies
301a 302 303 304 305

Carpets and Rugs
501 502 503

Cheesecloth
251a 252b 253b 344

Denim, Brown and Blue
254c 255b 256c 257b

Duck, Cotton
53 159 160

Rags and Waste
259a 261a 263a
260 262a 264a

Shades and Shade Cloth
367b 555b

Miscellaneous
422a 497a 499 540a 557
466 498 500 556

TUBING, METALLIC

287 347 349 427a

Numerical list of Federal specifications to which the certification plan has been applied, together with indications of the commodity or groups of commodities covered by each specification.

Specification Number	Commodities Covered
1a	Cement, portland.
4b	Oil, linseed, raw
5	Lead, white, basic carbonate, dry and paste
6	Lead, white, basic sulphate, dry and paste
7b	Turpentine (gum spirits of turpentine and steam distilled wood turpentine)
8	Oxide, zinc, dry and paste
9	Oxide, leaded zinc, dry and paste
10b	Paint, white, and tinted paints made on a white base, semi-paste and ready mixed
11	Lead, red, dry and paste
12	Ocher, dry and paste
13b	Paints, iron oxide and iron hydroxide
14b	Paint, black, semi-paste and ready mixed
15	Paint, green, semi-paste and ready mixed
16	Spirits, volatile mineral, for thinning paints
17	Vehicle, composite, for thinning semi-paste paints, when the use of straight linseed oil is not justified
18b	Varnish, spar, water-resisting
19	Varnish, asphalt
20a	Drier, paint, liquid
21b	Paint, lithopone, flat interior, white and light tints
22	Varnish, interior
23c	Large tungsten filament incandescent electric lamps
26	White floating soap
27	Liquid soap
28	Soap powder
29	Salt water soap
30	Automobile soap
31	Chip soap
32	Ordinary laundry soap
33a	Grit cake soap
34a	Powder, scouring, for floors
35	Hand grit soap
36a	Fire extinguishing liquid (carbon tetrachloride base)
37	Leather belting (vegetable tanned)
52a	Wood screws
53	Duck, cotton, numbered
55	Cutout bases
57	Flexible non-metallic tubing
58a	Dry cells and batteries
62	Snap switches
65	Rubber covered wires and cables for ordinary purposes
66	Enamel, red, water-resisting
67	Paint, lithopone, gloss interior, white and light tints
80	Coal tar pitch for roofing
81	Coal tar saturated rag felt for roofing and waterproofing
82	Surfacing materials for bituminous built-up roofing
83	Coal tar pitch for waterproofing and dampproofing
84	Asphalt for mineral surfaced roofing
85	Asphalt for waterproofing and dampproofing
86	Asphalt saturated rag felt for roofing and waterproofing
87	Asphalt primer for roofing and waterproofing
88	Asphalt for unsurfaced built-up roofing
93	Gaskets, asbestos-copper, corrugated
95	Packing, asbestos valve stem
99	Packing, fabric condenser tube
100	Packing, fiber, for lubricating and fuel oil
101c	Packing, flax
102	Packing, metallic, flexible
105	Packing, metallic (fixed ring type)
106	Packing, metallic, plastic
107	Packing, semimetallic
108	Packing, metallic, solid (floating ring type)
115	Pigment, titanium, dry and paste

Specification Number	Commodities Covered
123	Flat glass for glazing purposes
124	Hand chemical fire extinguisher (one quart carbon tetrachloride type)
127a	25% rag blotting paper, white and colored
128a	Desk blotting paper, colored
129a	Chart paper
130a	Mimeograph paper
131a	50% rag mimeograph paper
132a	Wood manila wrapping paper
133a	Rope manila wrapping paper
137a	Paint, olive drab (semi-paste and ready mixed)
159	Duck, light weight (Army duck, grey)
160	Duck, tent (special construction for bleaching or dyeing, grey)
162a	Pipe, welded steel (black and galvanized)
163	Ink, record and copying
164	Ink, writing
165	Ink, red
166	Ink, stamp-pad
167a	Ribbons, typewriter
168a	Ribbons, hectograph
169a	Ribbons, computing and recording machine
175	Knife switches
177a	Kraft wrapping paper
178a	Sulphite manila wrapping paper
179	No. 1 grade blue-print paper (sensitized and unsensitized)
180	No. 2 grade blue-print paper (sensitized and unsensitized)
181	No. 3 grade blue-print paper (sensitized and unsensitized)
182a	Paper, brown process (sensitized and unsensitized)
183	Upholstery leather
184	Lace leather
191	Brush, blacking and dauber
192	Brush, casting
193	Brush, clothes scrubbing
194	Brush, cuspidor
195a	Brush, dauber, long paddle
196	Brush, deck scrubbing
197	Brush, hand floor scrubbing
198	Brush, hair, military
199	Brush, radiator dusting
200	Brush, shaving
201	Brush, sidewalk
202	Brush, tooth
203	Brush, window
204	Broom, rattan push
205	Broom, rattan (upright)
206	Broom, scrubbing
207	Broom, wire push
208a	Duster, counter
213	Hand chemical fire extinguisher (soda and acid type)
214	Asphalt prepared roofing
239	Rust-preventive compound, heavy
241	Sole leather (vegetable tanned)
242	Wrought iron pipe (welded) (black and galvanized)
244	Milled toilet soap
245	Powdered soap (for laundry use)
246	Liquid soap (for laundry use)
247	Plaster, gypsum
248	Gypsum, calcined
249	Lime, hydrated, for structural purposes
250	Quicklime for structural purposes
251a	Cheesecloth for wiping purposes
252b	Cheesecloth, unbleached
253b	Cheesecloth, bleached or semi-bleached
254c	Denim, brown (shrunk)
255b	Denim, brown (unshrunk)
256c	Denim, blue, indigo (shrunk)
257b	Denim, blue, indigo (unshrunk)
259a	Rags, colored cotton, for wiping machinery (sterilized)
260	Cloths, wiping
261a	Rags, white cotton, for wiping machinery (sterilized)
262a	Waste, cotton, white
263a	Waste, cotton, colored
264a	Waste, wool, colored
265a	Ink, black waterproof drawing
266a	Ink, indelible marking, for fabrics
268a	Brick, fire-clay
275	Road oil for hot application (type OH-1-25)
276a	Asphalt for use in road and pavement construction
277	Petroleum asphalt for joint filler (squeegee or pouring method) (type PAF-1-25)
278	Paint, outside white titanium-zinc (semi-paste and ready mixed)
279	Tars for cold application
280	Refined tar for hot application (type TH-1-25)
281	Tar for use in repair work

Specification Number	Commodities Covered
282	Refined tar for construction
283	Putty
287	Tubing, copper, seamless and pipe, copper, seamless, standard iron pipe size
291	Friction tape
292	Rubber insulating tape
294	Asphalt-saturated woven cotton fabric for waterproofing
295	Asphalt-saturated rag felt for flashings
296	Slate-surfaced, asphalt prepared roofing and shingles
297	Wire rope
301a	Sheeting, cotton, brown
302	Sheeting, cotton, brown, wide
303	Sheeting, cotton, bleached, wide
304	Sheets, cotton, bleached (medium and high-count sheeting)
305	Pillowcases, cotton, bleached
311	Rigid conduit, enameled
312	Rubber gloves for electrical workers (for use in connection with apparatus or circuits not exceeding 3,000 volts to ground)
314	Railroad track scales
319	100% rag bond paper, white
320	50% rag bond paper, white and colored
321	100% rag ledger paper, white
322	75% rag ledger paper, white and colored
323	100% rag manifold paper, white and colored
324	Lithograph-finish map paper
325	50% rag lithograph-finish map paper
326	75% rag lithograph-finish map paper
327	Blotting paper, white and colored
328	Sulphite bond paper, white and colored
329	Sulphite writing paper, white and colored
330	100% rag heavy ledger paper, white
331a	50% rag manifold paper, white and colored
332	Brooms, whisk
333a	Brooms, corn
334a	Clay, fire
335a	Refractories, fire-clay, plastic
336	Builders hardware
342a	Pipe, brass, seamless, iron pipe size, standard and extra strong
343a	Cast iron soil pipe and fittings, coated and uncoated
344	Cheesecloth remnants for wiping purposes
347	Lap welded and seamless steel boiler tubes
349	Lap welded charcoal iron boiler tubes
362	Liquid measuring devices, retail type
363	Burglar resisting safes
367b	Shades, window, rollers, slats, cords, and accessories
375	Shellac, flake orange
376	Varnish, shellac
379	Ink, drawing, colored waterproof
380	Cement, asphalt plastic
393	Unions, malleable iron or steel
396a	Brush, calcimine
397a	Brush, dust, ceiling and wall
398	Brush, fiber garage
399b	Brush, flat fitch
400a	Sweep, floor, hair
401b	Brush, glue, round
402a	Brush, glue, flat
403a	Brush, lacquering, flat, camel hair
404b	Brush, marking
405a	Brush, mottling, camel hair
406b	Brush, sash tool, oval
407	Brush, hand scrub, white tampico
411	Tableware, silverplated
413a	Padlocks
422a	Towels, huck (with woven name)
423	Roofing, prepared, asphalt and asbestos, slate-surfaced
424	Roof coating, asphalt fibrous
425	Paper, carbon, black, lightweight (for typewriter use)
426	Paper, carbon, black, standard weight (for typewriter use)
427a	Seamless brass tubing
466	Belting, conveyor (stitched duck)
475b	Oil, linseed, boiled
476	Chrome yellow (lemon, medium and orange, dry, paste in oil, paste in japan)
484a	Paper, manifold, 50% rag. white and colored, unglazed

Specification Number	Commodities Covered
485	Gaskets, metallic encased
486	Packing, hard fiber sheet
487	Packings, asbestos wick and rope
489	Pipe fittings, cast iron (threaded)
497a	Bunting, wool
498	Oilcloth, table, white
499	Burlap, jute
500	Tablecloths, cotton
501	Carpets, velvet, plain
502	Carpets and rugs, Axminster
503	Carpets and rugs, Wilton
511	Brooms, metal case
512a	Brushes, flowing, badger hair
513a	Brushes, flowing, camel hair
514a	Brushes, flowing, fitch or skunk hair
515a	Brushes, paint, flat metal bound, high grade
516a	Brushes, paint, flat metal bound, medium grade
517a	Brushes, radiator bronzing
518a	Brushes, roof, knotted style, three knots
519a	Brushes, stencil (flag ends cut)
520a	Brushes, stencil (flag ends preserved)
521a	Brushes, varnish, flat (high grade)
522a	Brushes, varnish, flat (medium grade)
523	Brushes, wall stippling
524b	Brushes, whitewash
525a	Dusters, painters', flat
526a	Dusters, painters', round
535	Pipe fittings, malleable iron (threaded) (150 lb.)
540a	Netting, mosquito (unbleached bobbinet)
555b	Shade cloth
556	Percale
557	Drill

Organized for the purpose of securing economy in the procurement of material used by the Government, the Federal Specifications Board makes a strenuous effort to adopt such specifications as will cover commercial materials and supplies. Before the specifications are promulgated as official Federal specifications for the mandatory use of the departments and establishments of the Government, comments and criticisms from the manufacturers and interested engineering and technical societies are given careful consideration.

Among the duties assigned to the Board are not only the compilation and adoption of standard specifications for materials and services, but also the bringing of the Government specifications into harmony with the best commercial practice whenever conditions permit, bearing in mind the broadening of the field of supply.

SERVICE TO GOVERNMENT PURCHASING AGENCIES

Some idea of the value attached to the lists of "willing-to-certify" manufacturers by such officers of the Federal Government as are directly concerned with the Government departments and establishments as consumers (not as law-makers) can be gained from the fact that the purchasing agencies of all of the Government departments and establishments, wherever their headquarters may be located, are making effective use of the "willing-to-certify" lists of manufacturers. As showing the attitude of these officers, reference may well be had to statements made by the Paymaster General of the Navy concerning the use of these lists, and the action taken by officers of the War Department in distributing the lists, as follows:

Navy Department

"It is believed that the data contained in a list of 'willing-to-certify' manufacturers would be of great value in building up a mailing list of primary sources of supply who are known to be familiar with the requirements of certain well-known specifications and willing to comply with them.

"The Navy will be glad to take steps to list any firm which has certified its willingness to guarantee that its product will meet a specification of the Federal Specifications Board or a Navy specification, and invite bids from such a firm when in the market. Proposal blanks issued by the Navy contain either the specification printed in full or a reference thereto; and an unqualified bid is assumed to be in strict accordance with the specification and subject to the tests and inspection outlined therein. In this connection, it will be appreciated if lists might be furnished showing names and addresses of firms which have certified their willingness to guarantee that the technical requirements of their product meet the specifications of the Federal Specifications Board.

"It is believed that manufacturers will be quick to recognize the potential advertising value of a statement in their sales literature and advertising to the effect that their material is guaranteed to conform to certain well-known specifications."

War Department

"In time of war it is very desirable that the Government be able to obtain the articles which it requires in quantity. A more general acceptance of the carefully prepared Federal Specifications by general purchasing officers of industry will do much to accomplish this end. Education along these lines is necessary.

"To spread the information concerning the specifications and the certification plan, I believe we could do much to further the scheme. The country has been divided into fourteen procurement districts in connection with industrial war planning. All together the Army has established fifty district procurement offices. In each of these districts the regular Army representative is in close touch with many reserve officers who would be mobilized in time of war for procurement duty. In time of peace these men are engaged in widely varying businesses, many of whom are purchasing agencies.

"It is proposed, therefore, to send a letter to the Chiefs of all Supply Branches directing the attention of the regular Army executives of the procurement districts to the 'certification plan' and the 'sources of supply of commodities covered by Federal specifications', and to the belief that a more general acceptance of the Federal specifications by industry, particularly by manufacturers and large users, will do much to facilitate the procurement of suitable articles in time of war. The Federal specifications which are the subject of these studies have received the approval of the War Department after the most careful consideration. They are now mandatory upon the Army. Hence, the more generally they are accepted by industry the easier will be the task of buying under them in peace and in time of war."

The details involved in compiling the lists of manufacturers willing to certify to compliance with Federal specifications have been worked out in full accord with ideas expressed by the Director of the Bureau of the Budget, and the lists are being distributed to all Federal Government departments and establishments at the suggestion of the Chief Coordinator.

Chief Coordinator

In a communication to the heads of all Federal departments and establishments calling attention to the application of the certification plan and the use by manufacturers of labels guaranteeing that the commodities labeled comply with certain Federal specifications, the Chief Coordinator states:

"The more generally the certification and labeling plans are adopted by industry, the wider will be the geographical distribution of commodities complying with Federal specifications and the greater will be the likelihood of finding Federal specification materials in out-of-the-way places and in small quantities.

"As a result, the general authorization for waiver of requirements of Federal specifications will have to be invoked by Government purchasers to a much less extent than at present, and Government activities will aid the certification and labeling plans by insisting, whenever practicable, upon adherence to the requirements of the Federal specifications.

"As a further result, when the general authorization for waiver of tests prescribed in Federal specifications is justified by the conditions of purchase, the inspecting officer can be assured to a much greater degree than at present as to the quality of material, when such material is furnished under the certification and labeling plans.

"The Federal Purchasing Board has approved in principle, the movement to promote the use of the certification and labeling plans.

"It should be borne in mind that the fact that a commodity is included in the certification and labeling plans does not entitle it to any preference over a commodity not included in such plans when the price quoted for the latter is lower, and when the bidder has made no exceptions to the Federal specifications applicable in his proposal."

Below are shown groups of commodities and numerical designations of specifications for which additional listings have been requested by the manufacturers indicated.

ELECTRICAL SUPPLIES

No. 65

Alpha Wire Corp., Peter Bucantz, Pres., 520 Broadway, New York, N.Y.

No. 311

American Steel Pipe (Inc.), G.A. Johnson, Pres., 146 Colt St., Irvington, N. J.

No. 65

Anaconda Wire & Cable Co., H.M. Otis, Mgr., Rubber covered wire sales, 25 Broadway, New York, N. Y.

Austin, M.B., Co., M.B. Austin, Pres., 108 So. Desplaines St., Chicago, Ill.

No. 23c

Brinkerhoff Electric Co. (Inc.), H.A. Brinkerhoff, Pres., 600-11th St., West New York, N. J.

No. 65

Circle Flexible Conduit Co. (Inc.), Sol Furst, Pres., Woodward & Flushing Aves., Brooklyn, N. Y.

Eastern Tube & Tool Co. (Inc.), Edwin J. Schneider, Pres., 594 Johnson Ave., Brooklyn, N. Y.

No. 23c

Edison Lamp Works of General Electric Co., P.D. Parker, Asst. Gen. Sales Mgr., Nela Park, Cleveland, O.

No. 65

Paragon Electric Co., E.V. Platt, Sec., 1780 Old Colony Bldg., Chicago, Ill.

Providence Insulated Wire Co., J.H. Brennan, Sales Mgr., 58 Waldo St., Providence, R. I.

No. 23c

Westinghouse Lamp Co., A.E. Allen, V. Pres., 150 Broadway, New York, N. Y.

No. 65

Wheeler Insulated Wire Co., D. Warren, Pres., 378 Washington Ave., Bridgeport, Conn.

GLASS

No. 123

Adamston Flat Glass Co., W.M. Sine, Pres., P.O. Box 642, Clarksburg, W.Va.

INK AND RIBBONS

No. 265a

Weber, F., Co., E.G. Weber, Pres., 1820 Buttonwood St., Phila., Pa.

LIME AND PLASTER

No. 249

National Mortar & Supply Co., W.F. King, Sec., Federal Reserve Bldg., Pittsburgh, Pa.

PAPER

Nos. 425 & 426

Webster, F.S., Co. (Inc.), Geo. F. Malcolm, V. Pres., 338 Congress St., Boston, Mass.

SOAPS AND SCOURING COMPOUND

Nos. 27 & 246

Hollingshead, R.M., Co., R.M. Bagley, V. Pres., 840 Cooper, Camden, N.J.

ROOFING, BITUMINOUS & WATERPROOFING

No. 424

Barber Asphalt Co., C.W. Bayliss, V. Pres., 1600 Arch St., Phila., Pa.

Nos. 80, 83, 84, 85, 87, 83, 279, 380, & 424

Colorado Paint Co., Louis H. Herr, Sec., 3551 Blake St., Denver, Colo.

No. 276a

Continental Bitumen Co., J.B. Klunk, V. Pres., 2463 Broadway, Toledo, Ohio.

Nos. 87 & 424

North American Fibre Products Co., A. Q. Pugsley, V. Pres., 1638 Engineer National Bank Bldg., Cleveland, O.

Nos. 85, 87, 380, & 424

Sommers & Co., Ltd., I. Sommers, Pres., 342 Madison Ave., New York, N. Y.

The following lists are continuously subject to revision and enlargement. From time to time additions are being made to both the number of lists of "willing-to-certify" manufacturers and the number of manufacturers on the individual lists.

Specification 1a, PORTLAND CEMENT

Alabama Portland Cement Co., J. W. Johnston, V. Pres., 2301 Comer Bldg., Birmingham, Ala.
Allentown Portland Cement Co., J. A. Weihl, Asst. Sec., Fuller Bldg., Catasauqua, Pa.
Alpha Portland Cement Co., C. P. Postelle, southern sales Mgr., 906 Alabama Power Bldg., Birmingham, Ala.
Alpha Portland Cement Co., Thomas W. Dyer, Gen. sales Mgr., 15 S. Third St., Easton, Pa.
Ash Grove Lime & Portland Cement Co., J. F. Pollock, V. Pres., 705 Grand Avenue Temple, Kansas City, Mo.
Atlas Portland Cement Co., Lowell R. Burch, V. Pres., 25 Broadway, New York, N. Y.
Basic Products Co., A. T. Wood, Gen. Mgr., 21st & Beech St., Kenova, W. Va.
Beaver Portland Cement Co., Buell C. Nelson, Asst. Sec., 603 Lumbermen's Bldg., Portland, Oreg.
Bessemer Cement Corp., Chas. Schmutz, V. Pres., 1106 City Bank Bldg., Youngstown, Ohio.
California Portland Cement Co., L. E. Bancroft, Asst. Sec., 523 W. 6th St., Los Angeles, Calif.
Castalia Portland Cement Co., W. E. St. Clair, sales Mgr., Castalia, Ohio.
Consolidated Cement Corp., J. S. Nelson, V. Pres., 111 W. Monroe St., Chicago, Ill.
Coplay Cement Mfg. Co., Eugene Blum, Chmn. of Board, N. Second St., Coplay, Pa.
Cowell, Henry, Lime & Cement Co., W. H. George, Sec., 2 Market St., San Francisco, Calif.
Crescent Portland Cement Co., J. Sharp Wilson, V. Pres., Wampum, Pa.
Dewey Portland Cement Co., F. E. Tyler, Pres., 301 Mutual Bldg., Kansas City, Mo.
Florida Portland Cement Co., J. S. Nelson, V. Pres., 111 W. Monroe St., Chicago, Ill.
Giant Portland Cement Co., E. F. Coun, Pres., Pennsylvania Bldg., Phila., Pa.
Glens Falls Portland Cement Co., Geo. Boyle, Pres., 205 Lower Warren St., Glens Falls, N. Y.
Great Lakes Portland Cement Corp., Adam S. Beck, Pres., 614 Marine Trust Bldg., Buffalo, N. Y.
Hawkeye Portland Cement Co., A. B. Condon, Gen. Mgr., 806 Hubbell Bldg., Des Moines, Iowa.
Hercules Cement Corp., Morris Kind, Pres., 1700 Walnut St., Phila., Pa.
Hermitage Portland Cement Co., Frederick Stugard, Gen. Supt., Box 88, Nashville, Tenn.
Huron Portland Cement Co., H. C. Jones Asst. sales Mgr., 1325 Ford Bldg., Detroit, Mich.
Indiana Portland Cement Co., G. E. Pierson, sales Mgr., 808 Continental Bank Bldg., Indianapolis, Ind.
Kansas Portland Cement Co., J. P. Lehaney, V. Pres., 1608 Federal Reserve Bldg., Kansas City, Mo.
Knickerbocker Portland Cement Co. (Inc.), D. P. Cooper, V. Pres., 100 State St., Albany, N. Y.
Kosmos Portland Cement Co. (Inc.), A. W. Horner, sales Mgr., 1430 Starks Bldg., Louisville, Ky.
Lehigh Portland Cement Co., B. L. Swett, V. Pres.; Young Bldg., Allentown, Pa. (Plants in Ala., Ill., Ind., Iowa, Kan., Md., N. Y., Pa., Va., & Wash.)
Lone Star Cement Co. of Pa., Geo. E. Lewis, Treas., 123 S. Broad St., Phila., Pa.
Louisiana Portland Cement Co., Scott Thompson, V. Pres., 1120 Hibernia Bank Bldg., New Orleans, La.
Louisville Cement Co., A. Courtenay, sales Mgr., 315 Guthrie St., Louisville, Ky.
Manitowoc Portland Cement Co., S. Vanderwerp, V. Pres., Manitowoc, Wis.
Marquette Cement Mfg. Co., Paul R. Price, V. Pres. in Charge of Sales, 140 S. Dearborn St., Chicago, Ill.
Missouri Portland Cement Co., Charles A. Horne, V. Pres., 1327 Bell Telephone Bldg., 1010 Pine St., St. Louis, Mo.
Monarch Cement Co., C. A. Brooke, sales Mgr., Humboldt, Kans.
Monolith Portland Cement Co., F. R. Brownell, sales Mgr., 215 W. 7th St., Los Angeles, Calif.
Nazareth Cement Co., Wm. F. Coppers, Treas. & Gen. Mgr., Easton Rd., Nazareth, Pa.
Nebraska Cement Co., R. J. Morse, V. Pres., Ideal Bldg., Denver, Colo.
Newaygo Portland Cement Co., Wm. A. Awsoage, Newaygo, Mich.
North American Cement Corp., Frederick W. Kelley, Pres., 40 Howard St., Albany, N. Y.
Olympic Portland Cement Co., W. P. Cameron, Mgr., 1425 Dexter Horton Bldg., Seattle, Wash.
Oregon Portland Cement Co., H. L. Knappenberger, Sec., 1104 Wilcox Bldg., Portland, Oreg.
Pacific Portland Cement Co., James A. Keller, V. Pres., 111 Suter St., San Francisco, Calif.
Peerless-Egyptian Cement Co., Chas. A. Buck, sales Mgr., 1144 Free Press Bldg., Detroit, Mich.
Pennsylvania-Dixie Cement Corp., B. R. Smith, Pres., 131 E. 46th St., New York, N. Y.
Petoskey Portland Cement Co., Robt. E. Edwards, Asst. sales & traffic Mgr., Lake St., Petoskey, Mich.
Pittsburgh Plate Glass Co. (Columbia Cement Div.), L. C. Letzkus, sales Mgr., 704 Frick Bldg., Pittsburgh, Pa.
Pyramid Portland Cement Corp., Ellis Soper, Pres., Insurance Exchange Bldg., Des Moines, Iowa.
Riverside Cement Co., Garner A. Beckett, Gen. Mgr., 900 Corporation Bldg., Los Angeles, Calif.
Rosslyn Steel & Cement Co., M. A. Rhodes, sales Mgr., 3031 K St. NW., Washington, D. C.
San Antonio Portland Cement Co., C. Baumberger, jr., V. Pres., Station A, P. O. Box 158, San Antonio, Tex.
Sandusky Cement Co., Wm. B. Newberry, Asst. Mgr., 1002 Engineers Bldg., Cleveland, Ohio.
Santa Cruz Portland Cement Co., Geo. R. Gay, Gen. Mgr., Crocker Bldg., San Francisco, Calif.
Signal Mountain Portland Cement Co., R. R. Carkry, Sec., Station A, Box 1248, Chattanooga, Tenn.

Southern States Portland Cement Co., B. Cowden, Sec., Rockmart, Ga.
Southwestern Portland Cement Co., M. A. Kauffman, Sec., 605 H. W. Hellman Bldg., Los Angeles, Calif. (Plants in Calif., Ohio, & Tex.)
Standard Portland Cement Co., W. A. Davis, V. Pres., 1741 Union Trust Bldg., Cleveland, Ohio.
Superior Portland Cement (Inc.), Chester N. Reitze, V. Pres., 1003 Seaboard Bldg., Seattle, Wash.
Texas Portland Cement Co., J. Bryan Oldham, sales Mgr., 1401 Santa Fe Bldg., Dallas, Tex.
Trinity Portland Cement Co., J. J. Hergan, Pur. Agt., 1701 Santa Fe Bldg., Dallas, Tex.
Universal Portland Cement Co., F. W. Stone, Gen. sales Mgr., 208 S. LaSalle St., Chicago, Ill.
Virginia Portland Cement Corp., Dwight Morgan, V. Pres., 903 Nat. Bank of Commerce Bldg., Norfolk, Va.
Volunteer Portland Cement Co., Charles F. Lewis, Mgr., Knoxville, Tenn.
Vulcanite Portland Cement Co., W. D. Tober, Pres., 1222 Packard Bldg., 15th & Chestnut Sts., Phila., Pa.
Wabash Portland Cement Co., H. F. Jennings, Sec., 1st National Bldg., Detroit, Mich.
Washington Building Lime Co., C. H. Slater, Asst. Treas., 524 Equitable Bldg., Balto., Md.
Wellston Iron Furnace Co., F. E. Sheward, sales Mgr., Jackson, Ohio.
West Penn Cement Co., O. J. Binford, Gen. Mgr., 233 S. Main St., Butler, Pa.
Wolverine Portland Cement Co., C. C. Jones, Pres., 5 S. Monroe St., Coldwater, Mich.

Spec. 4b, RAW LINSEED OIL

(Now being revised.)

Spec. 5, DRY AND PASTE BASIC CARBONATE WHITE LEAD

(Now being revised.)

Spec. 6, BASIC SULPHATE WHITE LEAD, DRY AND PASTE

(Now being revised.)

Spec. 7b, TURPENTINE (GUM SPIRITS OF TURPENTINE AND STEAM DISTILLED WOOD TURPENTINE)

(Now being revised.)

Spec. 8, ZINC OXIDE, DRY AND PASTE

(Now being revised.)

Spec. 9, LEADED ZINC OXIDE, DRY AND PASTE

(Now being revised.)

Spec. 10b, WHITE PAINT AND TINTED PAINTS MADE ON A WHITE BASE, SEMIPASTE AND READY MIXED

(Now being revised.)

Spec. 11, RED LEAD, DRY AND PASTE

(Now being revised.)

Spec. 12, OCHER, DRY AND PASTE

(Now being revised.)

Spec. 13b, IRON OXIDE AND IRON HYDROXIDE PAINTS

(Now being revised.)

Spec. 14b, SEMIPASTE AND READY MIXED BLACK PAINT

(Now being revised.)

Spec. 15, SEMIPASTE AND READY MIXED GREEN PAINT

(Now being revised.)

Spec. 16, VOLATILE MINERAL SPIRITS FOR THINNING PAINTS

(Now being revised.)

Spec. 17, COMPOSITE VEHICLE FOR THINNING SEMIPASTE PAINTS, WHEN THE USE OF STRAIGHT LINSEED OIL IS NOT JUSTIFIED

(Now being revised.)

Spec. 18b, WATER RESISTING SPAR VARNISH

(Now being revised.)

Spec. 19, ASPHALT VARNISH

(Now being revised.)

Spec. 20a, LIQUID PAINT DRIER

(Now being revised.)

Spec. 21b, INTERIOR LITHOPONE PAINT, WHITE AND LIGHT TINTS, FLAT OR EGGSHELL FINISH (SEMIPASTE AND READY MIXED).

(Now being revised.)

Spec. 22, INTERIOR VARNISH

(Now being revised.)

Spec. 23c, LARGE TUNGSTEN FILAMENT INCANDESCENT ELECTRIC LAMPS

Consolidated Electric Lamp Co., F. W. Marsh, Pres., 90 Holten St., Danvers, Mass.
Graybar Electric Co., W. H. Leathers, Mgr. Govt. Dept., 100 E. 42d St., New York, N. Y.
Hygrade Lamp Co., E. J. Poor, Pres., 60 Boston St., Salem, Mass.
Nilco Lamp Works (Inc.), B. G. Erskine, Pres., Emporium, Pa.
Rooney Lamp Co., F. J., Francis J. Rooney, Pres., 1317 Willow Ave., Hoboken, N. J.

Spec. 26, WHITE FLOATING SOAP (FOR TOILET USE)

Armour & Co., M. L. Sheely, Ch. chemist, 1355 W. 31st St., Chicago, Ill.
Beach Soap Co., W. E. Philbrick, Treas., Lawrence & Maple Sts., Lawrence, Mass.
Cincinnati Soap Co., M. P. Rosenthal, sales Mgr., Winton Pl., Cincinnati, Ohio.
Cole, J. W. Co., Jacob W. Cole, Mgr., 82 Smith St., Brooklyn, N. Y.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
General Soap Co., R. E. Naccari, owner, 149 California St., San Francisco, Calif.
Gold Dust Corp., J. J. Smyth, Asst. Sec., 44 Beaver St., New York, N. Y.
Gutradt, Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harral Soap Co., S. Miller, Pres., 463 Greenwich St., New York, N. Y.
Haskins Bros. & Co., D. Newton, jr., Gen. Mgr., 115 Hickory St., Omaha, Neb.
Jergens, Andrew, Co., W. Roth, Asst. Gen. Mgr., Spring Grove & Alfred Sts., Cincinnati, Ohio.
Kirk, Jas. S., & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Larkin Co. (Inc.), Burrows Morey, Mgr. soap Dept., 683 Seneca St., Buffalo, N. Y.
Lekko Soap Co., A. G. Rockwell, Pres., 533 S. Franklin St., Chicago, Ill.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
National Soap Co., E. Westwood, Sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Procter & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Stanley, John T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.
Windsor Soap Co. (Inc.), E. W. Holland, Mgr., Washington Office, 221 Colorado Bldg., Washington, D. C.
Wrisley, Allen B. Co., W. B. Oleson, Sec., 529 S. Franklin St., Chicago, Ill.

Spec. 27, LIQUID SOAP

Abbey, R. A., Co., R. A. Abbey, Mgr., 1109 Jackson St., Scranton, Pa.
Alpha Chemical Co. (Inc.), Mark Sunstrom, Pres., 129 W. Barre St., Balto., Md.
American Products Co., R. L. Flett, V. Pres., 3265 Colerain Ave., Cincinnati, Ohio.
Antiseptol Liquid Soap Co., E. E. McDow, Treas., 564 W. Randolph St., Chicago, Ill.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Banner Mfg. Co., D. M. Lemen, Pres., 1810 Blake St., Denver, Colo.
Baum's Castorine Co., T. C. Moran, Pres., 200 Matthew St., Rome, N. Y.
Bobrick Chemical Corp., J. E. Hicks, V. Pres., 87 5th Ave., New York, N. Y.
Bobrick Chemical Co., A. W. Ramsey, Mgr., 111 Garey St., Los Angeles, Calif.
Bristol-Myers Co., J. M. Allen, Mgr. Indus. sales, 75 West St., New York, N. Y.

Buffalo Scientific Co., J. Rene Ducetel, Treas., Mass. & Niagara Sts., Buffalo, N. Y.
Caphenin Chemical Co., L. C. Osincup, Mem. firm, 400 W. Bremer Ave., Waverly, Iowa.
Carpenter, W. D., Co. (Inc.), R. W. Carpenter, Pres., 111 Irving Ave., Syracuse, N. Y.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Clifton Chemical Co. (Inc.), L. B. Schwartz, Sec., 246 Front St., New York, N. Y.
Coast Mfg. Co. (Inc.), L. M. Goldsmith, Pres., 100 Fifth Ave., New York, N. Y.
Cole, J. W., Co., Jacob W. Cole, Mgr., 82 Smith St., Brooklyn, N. Y.
Connecticut Chemical & Disinfectant Co., E. T. Ahern, Mgr., 683 Chapel St., New Haven, Conn.
Continental Chemical Corp., D. E. Smalley, Sec., 219 Scott St., Watseka, Ill.
Davies-Young Soap Co., R. H. Young, V. Pres., Findlay & Big 4 R. R., Dayton, Ohio.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Fair Mfg. Co., M. L. Fair, Pres., 471 Tenn. St., Memphis, Tenn.
Fergusson Laboratories, E. A. Talcott, Mgr., 17 S. Orianna St., Phila., Pa.
Ferrite Chemical Co. (Inc.), F. C. Battirtella, Pres., 252 Greenwich St., New York, N. Y.
Fischer Soap & Oil Co., S. J. Miller, Chem. Eng., Paddock Rd., Cincinnati, Ohio.
Flash Chemical Co., J. M. Lubit, V. Pres., 160 2d St., Cambridge, Mass.
Fries & Fries Co., I. M. Krohn, jr., Mgr., 1501 W. 6th St., Cincinnati, Ohio.
Fry Bros. Co., N. L. Fry, Pres., 105 E. Central Parkway, Cincinnati, Ohio.
General Soap Co., R. E. Naccari, owner, 149 Calif. St., San Francisco, Calif.
Gerson-Stewart Corp., F. W. Gerson, Pres., 3528 E. 76th St., Cleveland, Ohio.
Good, James (Inc.), Jos. Fine, V. Pres., Kensington Sta., Phila., Pa.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt, Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harley Soap Co. (Inc.), C. B. Solly, V. Pres., 2832 E. Pacific St., Phila., Pa.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Hayner, Norman, C. Co., N. C. Hayner, Treas., 194 Edinburgh St., Rochester, N. Y.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 W. College Ave., Appleton, Wis.
Helm Laboratories, J. C. P. Helm, Prop., 705 Tchoupitoulas St., New Orleans, La.
Hirsh, Leon, & Son, J. A. Miller, Mem. firm, 368 Greenwich St., New York, N. Y.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Hollingshead, R. M., Co., The, R. M. Bagley, Vice Pres., 840 Cooper St., Camden, N. J.
Holman Soap Co., Edw. Hol an, Pres., 3104 Fox St., Chicago, Ill.
Huntington Laboratories (Inc.), J. L. Brenn, Pres., 64 Federal St., Huntington, Ind.
Industrial Chemical Laboratories (Inc.), L. H. Mathson, Pres., 1015 N. 14th St., Omaha, Nebr.
J. P. S. Chemical Co., B. F. Schultz, Gen. Mgr., 403 E. Shiawassu St., Lansing, Mich.
Johnson Compound & Supply Co., A. Wright, Pres., 8 Furnace St., Rochester, N. Y.
Kirk, Jas. S., & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Kranich Soap Co. (Inc.), H. Kranich, Pres., 54 Richards St., Brooklyn, N. Y.
Lanair Co., J. A. Millner, Pres., 2639 N. Racine Ave., Chicago, Ill.
Laurel Soap Mfg. Co., W. H. Bertolet, Pres., Tioga Thompson & Almond Sts., Phila., Pa.
Lavo Co. of America, L. Rosenberg, Sec., 48 7th St., Milwaukee, Wis.
Leggod Mfg. Corp., M. Goldner, Treas., 132 22d St., Brooklyn, N. Y.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Lilly, Eli, & Co., G. L. Sparks, Dir. Merch. Dept., 340 S. Alabama St., Indianapolis, Ind.
Massachusetts Sales Service, A. Champagne, Mgr., 4 Spring St., Lowell, Mass.
Masury-Young Co., W. R. Hills, Pres., 76 Roland St., Boston, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Minnesota Chemical Co. (Inc.), R. P. Baker, Pres., 2297 Wycliff St., St. Paul, Minn.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
National Soap Co., E. Westwood, Sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Northwest Chemical Co. (Inc.), F. A. Bronson, V. Pres., 728 E. Sprague St., Spokane, Wash.
Overton-Hygienic Mfg. Co., W. Roane, Gen. Mgr., State & 36th Sts., Chicago, Ill.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2nd St., St. Louis, Mo.
Phoenix Oil Co., M. J. Murphy, Sec., 2554 W. 5th St., S. W., Cleveland, Ohio.
Pino Lyptol Chemical Co., A. Stickler, jr., Treas., 42 12th St., Long Island City, N. Y.
Poland Soap Works, C. D. Poland, Pres., Anniston, Ala.
Pure Oil Co., C. B. Watson, V. Pres., 35 E. Wacker Drive, Chicago, Ill.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Pyramid Co., L. P. Schmit, Mgr., 2694 University Ave., St. Paul, Minn.
Richards, G. Whitfield, M. E. Deni, Sec., 1732 Carlton St., Phila., Pa.
Riverside Chemical Co., G. A. Rasch, V. Pres., 1194 Oliver St., N. Tonawanda, N. Y.
Robertson, J. T., Co. (Inc.), H. W. Kingsburg, V. Pres., 147 Richmond Ave., Syracuse, N. Y.
Robertson, Theo. B., Products Co. (Inc.), T. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Rochester Germicide Co. (Inc.), D. N. Calkins, Treas., Dowling Pl., Rochester, N. Y.
Rogers, R. R., Chemical Co., R. R. Rogers, owner, 527 Commercial St., San Francisco, Calif.
Savoy Drug & Chemical Co., J. R. Kaea, Sec., 16 S. Peoria St., Chicago, Ill.
Schaeffer Bros. & Powell Mfg. Co., B. Nichols, Mgr., 102 Barton St., St. Louis, Mo.
Scientific Mfg. Co. (Inc.), H. J. Force, Pres., 426 Prescott Ave., Scranton, Pa.
Sonneborn, L., Sons (Inc.), R. G. Sonneborn, Sec., 114 5th Ave., New York, N. Y.

Standard Chemical Co. (Inc.), E. C. Brock, Pres., 213 Jackson St., Houston, Tex.
Stanley, J. T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stevens Grease & Oil Co., F. F. Taylor, V. Pres., E. 79th & Bessemer Ave., Cleveland, Ohio.
Stock, G. B., Xylite Grease & Oil Co., F. A. Halsted, Sec., Box 164, Port Huron, Mich.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
United Chemical Co., M. S. Baptiste, Sec., 401 Delaware St., Kansas City, Mo.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
United States Sanitary Specialties Corp., L. Koppelman, Sec., 435 S. Western Ave., Chicago, Ill.
Uno Mfg. Co., A. H. Barnett, Ch. Chem., 469 E. Ohio St., Chicago, Ill.
Watkins, J. R., Co., R. H. Watkins, Asst. Sec., 150 Liberty St., Winona, Minn.
Waverly Oil Works, Co., D. W. Hovey, V. Pres., 54th St. & A. V. R. R., Pittsburgh, Pa.
West Disinfecting Co., J. R. Oppenheimer, Sec., 16 Barn St., Long Island City, N. Y.
Western Meat Co., C. W. Reece, Sec., South San Francisco, Calif.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.
Williams, G. L., Co., G. L. Williams, Pres., 5700 Train Ave., Cleveland, Ohio.

Spec. 28, SOAP POWDER

Alpha Chemical Co. (Inc.), Mark Sunstrom, Pres., 129 W. Barre St., Balto., Md.
American Soap & Washoline Co., J. E. Graham, Treas., 140 Central Ave., Cohoes, N. Y.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Beach Soap Co., W. E. Philbrick, Treas., Lawrence & Maple Sts., Lawrence, Mass.
Britt, T. H., Ammonia Co., C. M. Sommers, Treas., 282 Oregon St., Milwaukee, Wis.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Cudahy Packing Co., D. M. Hoffinan, Mgr. Gilison Dept., 111 W. Monroe St., Chicago, Ill.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Elkonite Products Co., L. C. Brinkmeyer, Mgr., 2357 Foot Hill Blvd., Oakland, Calif.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Fels & Co., S. S. Fels, Pres., 73d St. & Woodland Ave., Phila., Pa.
Fergusson Laboratories, E. A. Talcott, Mgr., 17 S. Orianna St., Phila., Pa.
Finnell System (Inc.), W. S. Finnell, Pres., 500 East St., Elkhart, Ind.
Flash Chemical Co., J. M. Lubit, V. Pres., 160 2d St., Cambridge, Mass.
Fry Bros. Co., N. L. Fry, Pres., 105 E. Central Parkway, Cincinnati, Ohio.
General Soap Co., R. E. Naccari, owner, 149 Calif. St., San Francisco, Calif.
Gold Dust Corp., J. J. Smyth, Asst. Sec., 44 Beaver St., New York, N. Y.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Hercules Kalon Co. (Inc.), L. Mills, Treas., 25 Lewis Wharf, Boston, Mass.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Hunnewell Soap Co., W. A. Webb, Pres., 114 W. 2d St., Cincinnati, Ohio.
International Chemical Co., D. J. Benolicl, sales Mgr., 2628 N. Mascher St., Phila., Pa.
Kemp, Lysander, & Sons (Inc.), H. L. Rice, sales Mgr., 121 Beverly St., Boston, Mass.
Kendall Mfg. Co., G. R. Fulton, Pres., 90 Friendship St., Providence, R. I.
King, E. & F., & Co. (Inc), G. T. King, V. Pres., 405 Atlantic Ave., Boston, Mass.
Kirk, Jas. S., & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Kohnstamm, H., & Co. (Inc.), J. Kohnstamm, Treas., 83 Park Pl., New York, N. Y.
Larkin Co. (Inc.), Burrows Morey, Mgr. soap Dept., 683 Seneca St., Buffalo, N. Y.
Lavo Co. of America, L. Rosenberg, Sec., 48 7th St., Milwaukee, Wis.
Lekko Soap Co., A. G. Rockwell, Pres., 533 S. Franklin St., Chicago, Ill.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Lucy, G. R., & Co., G. D. Lucy, Mem. firm, 101 San Bruno Ave., San Francisco, Calif.
Marsh, Geo. E., Co., C. F. Mudgett, sales Mgr., 393 Chestnut St., Lynn, Mass.
Massachusetts Sales Service, Alphonse Champagne, Mgr., 4 Spring St., Lowell, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Minnesota Chemical Co. (Inc.), R. P. Baker, Pres., 2297 Wycliff St., St. Paul, Minn.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
Morris & Co., E. W. Park, sales Mgr., 1355 W. 31st St., Chicago, Ill.
National Soap Co., E. Westwood, sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Northwest Chemical Co. (Inc.), F. A. Bronson, V. Pres., 728 E. Sprague St., Spokane, Wash.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Phenix Supply Co. (Inc.), W. P. Ballard, Pres., 362 Nelson St., Atlanta, Ga.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Poland Soap Works, C. D. Poland, Pres., Anniston, Ala.
Powell, John & Co. (Inc.), John Powell, V. Pres., 12 Water St., New York, N. Y.
Proctor & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Robertson, J. T. Co. (Inc.), H. W. Kingsbury, V. Pres., 147 Richmond Ave., Syracuse, N. Y.

Robertson, Theo. B., Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Royal Lemon Co., J. A. Hanerson, Sec., 1115 University Ave., St. Paul, Minn.
Stanley, J. T., Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Supreme Soap Co., O. F. Apple, Sec., 2d & Sycamore Sts., Anderson, Ind.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
United States Soap Co., W. H. Cordes, Owner, 4433 Chickering Ave., Cincinnati, Ohio.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.
Windsor Soap Co., (Inc.) E. W. Holland, Mgr. Washington Office, 221 Colorado Bldg., Washington, D. C.

Spec. 29, SALT WATER SOAP

Cole, J. W., Co., Jacob W. Cole, Mgr., 82 Smith St., Brooklyn, N. Y.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
General Soap Co., R. E. Naccari, owner, 149 California St., San Francisco, Calif.
Green Oil Soap Co., W. M. Kilso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Kutsit Soap Co., F. L. Davis, jr., sales mgr., 425 Bryant St., San Francisco, Calif.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Lucy, G. R., & Co., G. D. Lucy, mem. firm, 101 San Bruno Ave., San Francisco, Calif.
National Soap Co., E. Westwood, sales mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400—15th St., San Francisco, Calif.
Procter & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Robertson, J. T., Co. (Inc.), H. W. Kingsbury, V. Pres., 147 Richmond Ave., Syracuse, N. Y.
Savoy Drug & Chemical Co., F. Kaea, Sec., 16 S. Peoria St., Chicago, Ill.
Sayman, T. M., Products Co., L. B. Sayman, Sec., 2117 Franklin Ave., St. Louis, Mo.
Stanley, John T., Co. (Inc.), F. A. Cook, sales mgr., 642 W. 30th St., New York, N. Y.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.
United States Sanitary Specialties Corp., L. Koppelman, Sec., 435 S. Western Ave., Chicago, Ill.

Spec. 30, AUTOMOBILE SOAP

Abbey, R. A., Co., R. A. Abbey, Mgr., 1109 Jackson St., Scranton, Pa.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Banner Mfg. Co., D. M. Lemen, Pres., 1810 Blake St., Denver, Colo.
Baum's Castorine Co., T. C. Mowry, Pres., 200 Matthew St., Rome, N. Y.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Clifton Chemical Co. (Inc.), L. B. Schwarz, Sec., 246 Front St., New York, N. Y.
Cole, J. W., Co., Jacob W. Cole, Mgr., 82 Smith St., Brooklyn, N. Y.
Continental Chemical Corp., D. E. Smalley, Sec., 219 Scott St., Watseka, Ill.
Cudahy Packing Co., D. M. Hoffinan, Mgr. Gilison Dept., 111 W. Monroe St., Chicago, Ill.
Davies-Young Soap Co., R. H. Young, V. Pres., Findlay St. & Big 4 R. R., Dayton, Ohio.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Enterprise Mill Soap Works (Inc.), J. P. McNeill, Sec., 2229 N. 12th Phila., Pa.
Ferrite Chemical Co. (Inc.), F. C. Battirtella, Pres., 252 Greenwich St., New York, N. Y.
Fischer Soap & Oil Co., S. J. Miller, Chem. Eng., Paddock Rd., Cincinnati, Ohio.
General Soap Co., R. E. Naccari, owner, 149 California St., San Francisco, Calif.
Genseke Bros., G. Genseke, Partner, W. 48th Pl. & Whipple St., Chicago, Ill.
Gerson-Stewart Corp., J. H. Gerson, Pres., 3528 E. 76th St., Cleveland, Ohio.
Good, James (Inc.), Jos. Fine, V. Pres., Kensington Sta., Phila., Pa.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harley Soap Co. (Inc.), C. B. Solly, V. Pres., 2832 E. Pacific St., Phila., Pa.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Harris Soap Co., A. O. Harris, Pres., 18 Stetson St., Buffalo, N. Y.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 W. College Ave., Appleton, Wis.
Helm Laboratories, J. C. P. Helm, Prop., 705 Tchoupitoulas St., New Orleans, La.
Hercules Kalon Co. (Inc.), L. Mills, Treas., 25 Lewis Wharf, Boston, Mass.
Hirsh, Leon, & Son, Jas. A. Miller, Mem. firm, 368 Greenwich St., New York, N. Y.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Hollingshead, R. M., Co., R. M. Bagley, V. Pres., 840 Cooper St., Camden, N. J.
Hunnewell Soap Co., W. A. Webb, Pres., 114 W. 2d St., Cincinnati, Ohio.
Huntington Laboratories (Inc.), J. L. Brenn, Pres., 64 Federal St., Huntington, Ind.

International Chemical Co., D. J. Benoliel, sales Mgr., 2628 N. Mascher St., Phila., Pa.
Kirk, J. S., & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Kranich Soap Co. (Inc.), H. Kranich, Pres., 54 Richards St., Brooklyn, N. Y.
Larkin Co. (Inc.), Burrows Morey, Mgr. soap Dept., 683 Seneca St., Buffalo, N. Y.
Laurel Soap Mfg. Co. (Inc.), W. H. Bertolet, Pres., Tioga & Thompson Sts., Phila., Pa.
Lekko Soap Co., A. G. Rockwell, Pres., 533 S. Franklin St., Chicago, Ill.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Massachusetts Sales Service, Alphonse Champagne, Mgr., 4 Spring St., Lowell, Mass.
Masury-Young Co., W. R. Hills, Pres., 76 Roland St., Boston, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Miller, Bonner, & Co., Bonner Miller, Mgr., 1000 N. 22d St., St. Louis, Mo.
Minnesota Chemical Co. (Inc.), R. P. Baker, Pres., 2297 Wycliff St., St. Paul, Minn.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
National Soap Co., E. Westwood, Sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical and Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Northwest Chemical Co. (Inc.), F. A. Bronson, V. Pres., 728 E. Sprague St., Spokane, Wash.
Northwestern Chemical Co., F. R. Hall, Pres., State St., Marietta, Ohio.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Phoenix Oil Co., M. J. Murphy, Sec., 2554 W. 5th St., S. W., Cleveland, Ohio.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Poland Soap Works, C. D. Poland, Pres., Anniston, Ala.
Pure Oil Co., C. B. Watson, V. Pres., 35 E. Wacker Drive, Chicago, Ill.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Pyramid Co., L. P. Schmit, Mgr., 2694 University Ave., St. Paul, Minn.
Richards, G. Whitfield, M. E. Deni, Sec., 1732 Carlton St., Phila., Pa.
Riverside Chemical Co., G. A. Rasch, V. Pres., 1194 Oliver St., North Tonawanda, N. Y.
Robertson, Theo. B., Products Co. (Inc.), T. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Schaeffer Bros. & Powell Mfg. Co., B. Nichols, Mgr. & Sec., 102 Barton St., St. Louis, Mo.
Stanley, John T., Co. (Inc.), F. A. Cook, Sales Mgr., 642 W. 30th St., New York, N. Y.
Stevens Grease & Oil Co., F. F. Taylor, V. Pres., E. 79th St., & Bessemen Ave., Cleveland, Ohio.
Stock, G. B., Xylite Grease & Oil Co., F. A. Halsted, Sec.-Treas., Box 164, Port Huron, Mich.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
United States Sanitary Specialties Corp., L. Koppelman, Sec., 435 S. Western Ave., Chicago, Ill.
Uno Mfg. Co., A. H. Barnett, Ch. Chem., 469 E. Ohio St., Chicago, Ill.
Viscosity Oil Co., W. M. McKay, Sec., 1101 W. 37th St., Chicago, Ill.
Waverly Oil Works Co., D. W. Hovey, V. Pres., 54th St. & A. V. R. R., Pittsburgh, Pa.
Williams, Geo. L., Co., G. L. Williams, Pres., 5700 Train Ave., Cleveland, Ohio.

Spec. 31, CHIP SOAP

American Soap & Washoline Co., J. E. Graham, Treas., 140 Central Ave., Cohoes, N. Y.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Beach Soap Co., W. E. Philbrick, Treas., Lawrence & Maple Sts., Lawrence, Mass.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Enterprise Mill Soap Works, (Inc.), J. P. McNeill, Sec., 2229 N. 12th, Phila., Pa.
Fry Bros. Co., N. L. Fry, Pres., 105 E. Central Parkway, Cincinnati, Ohio.
General Soap Co., R. E. Naccari, owner, 149 California St., San Francisco, Calif.
Gill, Thos., Soap Co., R. Provost, Mgr., 711 Kent Ave., Brooklyn, N. Y.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Harris Soap Co., A. O. Harris, Pres., 18 Stetson St., Buffalo, New York.
Haskins Bros. & Co., D. Newton, jr., Gen. Mgr., 115 Hickory St., Omaha, Neb.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 N. College Ave., Appleton, Wis.
Kemp, Lysander, & Sons (Inc.), H. L. Rice, sales Mgr., 121 Beverly St., Boston, Mass.
Kendall Mfg. Co., G. R. Fulton, Pres., 90 Friendship St., Providence, R. I.
Kirk, Jas. S. & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Kohnstamm, H., & Co. (Inc.), Jos. Kohnstamm, Treas., 83 Park Pl., New York, N. Y.
Laurel Soap Mfg. Co. (Inc.), W. H. Bertolet, Pres., Tioga & Thompson Sts., Phila., Pa.
Lewis, Samuel, Miss Loretta Engell, Sec., 73 Barclay St., New York, N. Y.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
Morris & Co., E. W. Park, sales Mgr., 1355 W. 31st St., Chicago, Ill.
National Soap Co., E. Westwood, sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Washington.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Powell, John, & Co. (Inc.), John Powell, V. Pres., 12 Water St., New York, N. Y.
Proctor & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Robertson, J. T., Co. (Inc.), H. W. Kingsbury, V. Pres., 147 Richmond Ave., Syracuse, N. Y.

Stanley, John T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Supreme Soap Co., O. F. Apple, Sec., Anderson, Ind.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
United States Soap Co., W. H. Cordes, owner, 4433 Chickering Ave., Cincinnati, Ohio.
Watkins, J. R., Co., A. H. Watkins, Asst. Sec., 150 Liberty St., Winona, Minn.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif

Spec. 32, ORDINARY LAUNDRY SOAP

American Soap & Washoline Co., J. E. Graham, Treas., 140 Central Ave., Cohoes, N. Y.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Beach Soap Co., W. E. Philbrick, Treas., Lawrence & Maple Sts., Lawrence, Mass.
Cudahy Packing Co., M. Hoffinan, Mgr., Gilison Dept., 111 W. Monroe St., Chicago, Ill.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Enterprise Mill Soap Works (Inc.), J. P. McNeill, Sec., 2229 N. 12th St., Phila., Pa.
General Soap Co., R. E. Naccari, owner, 149 Calif. St., San Francisco, Calif.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt, Newell, Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Haskins Bros. & Co., D. Newton, jr., Gen. Mgr., 115 Hickory St., Omaha, Neb.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 W. College Ave., Appleton, Wis.
Kemp, Lysander, & Sons (Inc.), H. L. Rice, sales Mgr., 121 Beverly St., Boston, Mass.
Kendall Mfg. Co., G. R. Fulton, Pres., 90 Friendship St., Providence, R. I.
Kirk, James S. & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Lekko Soap Co., A. G. Rockwell, Pres., 533 S. Franklin St., Chicago, Ill.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Lucy, G. R. & Co., G. D. Lucy, Mem. firm, 101 San Bruno Ave., San Francisco, Calif.
Marsh, Geo. E., Co., C. F. Mudgett, sales Mgr., 393 Chestnut St., Lynn, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
Morris & Co., E. W. Park, sales Mgr., 1355 W. 31st St., Chicago, Ill.
National Soap Co., E. Westwood, sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Peck's Products Co., E. P. Peck, Pres. 5224 N. 2d St., St. Louis, Mo.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Procter & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Stanley, John T., Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Supreme Soap Co., O. F. Apple, Sec., 2d & Sycamore Sts., Anderson, Ind.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.

Spec. 33a, GRIT CAKE SOAP

Day & Frick, H. D. Day, Pres., 1760 Howard St., Phila., Pa.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Gutradt Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Hunnewell Soap Co., W. A. Webb, Pres., 114 W. 2d St., Cincinnati, Ohio.
Huntington Laboratories (Inc.), J. L. Brenn, Pres., 64 Federal St., Huntington, Ind.
J. P. S. Chemical Co., B. F. Schultz, Gen. Mgr., E. Shiawassu St., Lansing, Mich.
Lucy, G. R., & Co., G. D. Lucy, Mem. firm, 101 San Bruno Ave., San Francisco, Calif.
Massachusetts Sales Service, Alphonse Champagne, Mgr., 4 Spring St., Lowell, Mass.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
Morgan's, Enoch, Sons Co., J. W. Morgan, Pres., 439 West St., New York, N. Y. (Type B only.)
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Pioneer Soap Co. (Inc.) H. I. Bernhard, Sec. 400 15th St., San Francisco Calif.
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Stanley, John T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
United States Soap Co., W. H. Cordes, owner 4433 Chickering Ave., Cincinnati, Ohio.

Spec. 34a, SCOURING POWDER FOR FLOORS

Abbey, R. A., Co., R. A. Abbey, Mgr., 1109 Jackson St., Scranton, Pa.
Alpha Chemical Co. (Inc.), Mark Sunstrom, Pres., 129 W. Barre St., Balto., Md.
American Soap & Washoline Co., J. E. Graham, Treas., 140 Central Ave., Cohoes, N. Y.
American Tripoli Co., G. V. Levings, V. Pres., Box 86, Seneca, Mo.

Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st, Chicago, Ill. (Type B only.)
Babbitt, B. T. (Inc.), A. N. Mendleson, Asst. Treas., 15 W. 34th St., New York, N. Y. (Types A and B only.)
Bird-Archer Co., W. E. Ridenour, V. Pres., 4337 N. American St., Phila., Pa.
Blue Seal Chemical Co., S. G. Tretzler, Pres., 126 Locust St., Roselle, N. J.
Britt, T. H., Ammonia Co., C. M. Sommers, Treas., 282 Oregon St., Milwaukee, Wis.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Coleman, H. H., Soap Co., H. H. Coleman, 1492 Arcade Bldg., St. Louis, Mo.
Colloidal Products Co. (Inc.), J. P. Keem, Sec., Haynes & Warner Sts., Balto., Md.
Connecticut Chemical & Disinfectant Co., E. T. Ahern, Mgr., 683 Chapel St., New Haven, Conn.
Continental Chemical Corp., D. E. Smalley, Sec., 219 Scott St., Watseka, Ill.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Enterprise Mill Soap Works (Inc.), J. P. McNeill, Sec., 2229 N. 12th St., Phila., Pa.
Fergusson Laboratories, E. A. Talcott, Mgr., 17 S. Orianna St., Phila., Pa.
Ferrite Chemical Co. (Inc.), F. C. Batirtella, Pres., 252 Greenwich St., New York, N. Y.
Finnell System (Inc.), W. S. Finnell, Pres., 500 East St., Elkhart, Ind.
Flash Chemical Co., J. M. Lubit, V. Pres., 160 2d St., Cambridge, Mass.
General Soap Co., R. E. Naccari, owner, 149 Calif. St., San Francisco, Calif.
Gerson-Stewart Corp., J. H. Gerson, Pres., 3528 E. 76th St., Cleveland, Ohio.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt Newell Co., A. Haas, Pres., 350 Fremont St., San Francisco, Calif.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Hayner, N. C., Co., N. C. Hayner, Treas., 194 Edinburgh St., Rochester, N. Y.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 W. College Ave., Appleton, Wis.
Helm Laboratories, J. C. P. Helm, Prop., 705 Tchoupitoulas St., New Orleans, La.
Hercules Kalon Co. (Inc.), L. Mills, Treas., 25 Lewis Wharf, Boston, Mass.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Hunnewell Soap Co., W. A. Webb, Pres., 114 W. 2d St., Cincinnati, Ohio.
Huntington Laboratories (Inc.), J. L. Breen, Pres., 64 Federal St., Huntington, Ind.
Imperial Metal Polish Co. (Inc.), P. Halpern, Pres., Hedley St. nr. Richmond St., Phila., Pa.
Industrial Chemical Laboratories (Inc.), L. H. Mathson, Pres., 1015 N. 14th St., Omaha, Nebr.
International Chemical Co., S. D. Benoliel, Gen. Mgr., 2628 N. Mascher St., Phila., Pa.
J. P. S. Chemical Co., B. F. Schultz, Gen. Mgr., E. Shiawassu St., Lansing, Mich.
Kendall Mfg. Co., G. R. Fulton, Pres., 90 Friendship St., Providence, R. I.
King, E. & F., & Co. (Inc.), G. T. King, V. Pres., 405 Atlantic Ave., Boston, Mass.
Kohnstamm, H., & Co. (Inc.), Jos. Kohnstamm, Treas., 83 Park Pl., New York, N. Y.
Kutsit Soap Co., F. L. Davis, jr., sales Mgr., 425 Bryant St., San Francisco, Calif.
Larkin Co. (Inc.), Burrows Morey, Mgr., Soap Dept., 683 Seneca St., Buffalo, N. Y.
Laurel Soap Mfg. Co. (Inc.), W. H. Bertolet, Pres., Tioga & Thompson Sts., Phila., Pa.
Lavo Co. of America, L. Rosenberg, Sec., 48 7th St., Milwaukee, Wis.
Lekko Soap Co., A. G. Rockwell, Pres., 533 S. Franklin St., Chicago, Ill.
Massachusetts Sales Service, A. Champagne, Mgr., 4 Spring St., Lowell, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Minnesota Chemical Co. (Inc.), R. P. Baker, Pres., 2297 Wycliff St., St. Paul, Minn.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Board St., Boston, Mass.
Morgan's, Enoch, Sons Co., J. W. Morgan, Pres., 439 West St., New York, N. Y. (Type C only.)
National Soap Co., E. Westwood, sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S., Seattle, Wash.
Northwest Chemical Co. (Inc.), F. A. Bronson, V. Pres., 728 E. Sprague St., Spokane, Wash.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400—15th St., San Francisco, Calif.
Poland Soap Works, C. D. Poland, Pres., Anniston, Ala. (Type B only.)
Purity Soap Co., J. C. Hipp, Pres., 100 Humboldt Ave., N., Minneapolis, Minn.
Robertson, Theo. B. Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Royal Lemon Co., W. A. Hanerson, Sec., 1115 University Ave., St. Paul, Minn.
Savogran Co., C. K. Stodder, Pres., 28 India Wharf, Boston, Mass. (Types B & C only.)
Scientific Mfg. Co. (Inc.), H. J. Force, Pres., 426 Prescott Ave., Scranton, Pa.
Stanley, J. T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stevens Grease & Oil Co., F. F. Taylor, V. Pres., E. 79th & Bessemer Ave., Cleveland, Ohio.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.
United Chemical Co., M. S. Baptiste, Sec., 401 Del. St., Kansas City, Mo.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
United States Feldspar Corp., C. H. Peddrick, jr., Pres., Cranberry Creek (Fulton County), N. Y.
United States Soap Co., W. H. Cordes, owner, 4433 Chickering Ave., Cincinnati, Ohio.
Watkins, J. R., Co., R. H. Watkins, Asst. Sec., 150 Liberty St., Winona, Minn.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.

Spec. 35, HAND GRIT SOAP

Banner Mfg. Co., D. M. Lemen, Pres., 1810 Blake St., Denver, Colo.
Davies-Young Soap Co., R. H. Young, V. Pres., Findlay St., & Big 4 R. R., Dayton, Ohio.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Gerson-Stewart Corp., J. H. Gerson, Pres., 3528 E. 76th St., Cleveland, Ohio.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt Newell Co., A. Haas., Pres., 350 Fremont St., San Francisco, Calif.
Harley Soap Co. (Inc.), C. B. Solly, V. Pres., 2832 E. Pacific St., Phila., Pa.
Haskins Bros. & Co., D. Newton, jr., Gen. Mgr., 115 Hickory St., Omaha, Neb.
Hirsh, Leon, & Son, J. A. Miller, Mem. firm, 368 Greenwich St., New York, N. Y.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Hollingshead, R. M. Co., R. M. Bagley, V. Pres., 840 Cooper St., Camden, N. J.
Huntington Laboratories (Inc.), J. L. Brenn, Pres., 64 Federal St., Huntington, Ind.
Imperial Metal Polish Co. (Inc.), P. Halpern, Pres., Hedley St. east of Richmond St., Phila., Pa.
Jergens, Andrew, Co., Wm. Roth, Asst. Gen. Mgr., Spring Grove & Alfred Sts., Cincinnati, Ohio.
Kutsit Soap Co., F. L. Davis, jr., sales Mgr., 425 Bryant St., San Francisco, Calif.
Lewis, Samuel, Miss Loretta Engel, Sec., 73 Barclay St., New York, N. Y.
Lucy, G. R., & Co., G. D. Lucy, Mem. firm, 101 San Bruno Ave., San Francisco, Calif.
Massachusetts Sales Service, A. Champagne, Mgr., 4 Spring St., Lowell, Mass.
Mione Mfg. Co., E. E. Larry, Pres., Collingsdale, Pa., P. O. Darby, Pa.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave. S., Seattle, Wash.
Northwestern Chemical Co., F. R. Hall, Pres., State St., Marietta, Ohio.
Peck's Products Co., E. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Robertson, J. T. Co. (Inc.), H. W. Kingsbury, V. Pres., 147 Richmond Ave., Syracuse, N. Y.
Stanley, J. T. Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stock, G. B. Xylite Grease & Oil Co., L. A. Halsted, Sec., Box 164, Port Huron, Mich.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
Uno Mfg. Co., A. H. Barnett, Ch. Chem., 469 E. Ohio St., Chicago, Ill.

Spec. 36a, FIRE EXTINGUISHING LIQUID (CARBON TETRACHLORIDE BASE)

American La France Fire Engine Co., Hugh Logan, Mgr. sundry sales, Marion & S. Jane Sts., Long Island City, N. Y.
Apothecaries Hall Co., J. J. O'Keefe, Supt., 12 Benedict St., Waterbury, Conn.
Badger Fire Extinguishing Co., A. C. Badger, Pres., 31 St. James Ave., Boston, Mass.
Baker, J. T., Chemical Co., H. H. Garis, Pres., N. Broad St., Phillipsburg, N. J.
Buffalo Fire Appliance Corp., D. Meidel, sundry sales Mgr., 44 Central Ave., Buffalo, N. Y.
Castle, Jas. M. (Inc.), E. C. Moore, Treas., 1718 Vine St., Phila., Pa.
Columbia Fire Extinguisher Co., G. H. Downing, Prop., 174 Centre St., New York, N. Y.
Cross, C. J., Mfg. Co., C. J. Cross, Pres., 149 Church St., New York, N. Y.
Fire Fighting Devices Co., G. T. Pearsons, owner, 70 5th Ave., New York, N. Y.
Foamite-Childs Corp., J. C. Hegeman, Ch. clerk, sales Dept., Utica, N. Y.
Fyr-Fyter Co., H. C. Iddings, Pres., 221 Crane St., Dayton, Ohio.
Gaylord Mfg. Co., L. J. Schlitzer, Sec., 40 Hamilton St., Paterson, N. J.
General Mfg. Co., A. C. Ausorge, Sec., 1801 Pine St., St. Louis, Mo.
Good, Jas. (Inc.), T. F. Meehan, Pres., 2111 E. Susquehanna Ave., Phila., Pa.
Griffiths, K. F. Co., (Inc.), K. F. Griffiths, jr., Pres., 110 E. 42d St., New York, N. Y.
Harker Mfg. Co., W. E. Scallan, Mgr., 121 W. 3d St., Cincinnati, Ohio.
King, E. & F. Co. (Inc.), H. D. Cleave, sales Mgr., 399 Atlantic Ave., Boston, Mass.
Linder & Meyer, J. F. Linder, jr., partner, 89 State St., Boston, Mass.
National Fire Protection Co., F. L. Boyd, Treas., 1617 Sansom St., Phila., Pa.
Niagara Smelting Corp., G. D. Muggleton, Gen. Mgr., Niagara Falls, N. Y.
Pacific Fire Extinguisher Co., L. B. Kriegen, Gen. Mgr., 440 Howard St., San Francisco, Calif.
Phister Mfg. Co., B. H. Phister, Pres., 901 Broadway, Cincinnati, Ohio.
Pioneer Chemical Co. of Ithaca, J. F. McKinney, Mgr. sales, Ithaca, Mich.
Pyrene Mfg. Co., E. A. Clapp, Sec., 560 Belmont Ave., Newark, N. J.
Robinson Fire Apparatus Mfg. Co., R. L. Heydt, Sec., 4250 N. 20th St., St. Louis, Mo.
Roessler & Hasslacher Chemical Co., P. S. Rigney, Asst. Sec., 709 6th Ave., New York, N. Y. (Selling agents for Niagara Smelting Corp., Niagara Falls., N. Y.)
Snyder, M. L., & Son, H. A. Greene, Pres., 223 Church St., Phila., Pa.
Van Kirk Co., G. V. Van Kirk, Gen. Mgr., 194 S. Washington St., Wilkes-Barre, Pa.
Warner Chemical Co., J. A. Chin, sales Mgr., 415 Lexington Ave., New York, N. Y.
Westvaco Chlorine Products (Inc.), Q. M. Peters, Res. Mgr., S. Charleston, W. Va.

Spec. 37, LEATHER BELTING (VEGETABLE TANNED)

Alexander Bros. (Inc.), Robt. Momdell, jr., Pres., 14 South St., Phila., Pa.
Alexander, E. P. & Son (Inc.), J. Alexander, Pres., 3rd & Huntingdon Sts., Phila., Pa.
Allen, W. D., Mfg. Co., E. H. Pease, Treas., 566 W. Lake St., Chicago, Ill.
Baltimore Belting Co., C. Albert Haugh, V. Pres., 25 S. Gay St., Balto., Md.
Bonner & Barnewall (Inc.), P. R. Bonner, Pres., 440 Lafayette St., New York, N. Y.
Buckeye Belting & Supply Co., J. W. Smith, Pres., 135 St. Clair Ave., N. E., Cleveland, Ohio.
Capen Belting & Rubber Co., J. J. Tierney, Sec., 1402 Chestnut St., St. Louis, Mo.
Chicago Belting Co., E. H. Ball, Pres., 113 N. Green St., Chicago, Ill.
Chicago Rawhide Mfg. Co., S. E. Ullman, Treas., 1301 Elston Ave., Chicago, Ill.
Cook, H. N., Belting Co., M. N. Cook, Pres., 401 Howard St., San Francisco, Calif.
Cornell Belting Co., A. J. Hazle, Pres., 162 W. Austin Ave., Chicago, Ill.
Couse & Bolten (Inc.), S. J. Dannhusit, Pres., 42 Lafayette St., Newark, N. J.
Cross Bros. Co. (Inc.), W. H. Cross, Treas., 112 Mill St., Rochester, N. Y.
Detroit Oak Belting Co., E. A. Ludden, Sec., 3362 Wight St., Detroit, Mich.
Dreyer Belting Co., H. Dreyer, Pres., 3301 N. Broadway, St. Louis, Mo.
Druid Oak Belting Co. (Inc.), H. C. Staley, V. Pres., 111 E. Lombard St., Balto., Md.
Eagle Counter & Leather Co., J. H. Holmes, Asst. Sec., Freeman & Hulbert Aves., Cincinnati, Ohio.
Glenn Ambler Co., H. D. Glenn, Sec., 5018 Beaumont Ave., Phila., Pa.
Grand Rapids Belting Co., F. R. May, Mgr., 1 Ionia Ave., Grand Rapids, Mich.
Graton & Knight Co., F. H. Willard, Pres., 356 Franklin St., Worcester, Mass.
Greenville Belting Co. (Inc.), J. C. Harper, Mgr., 552½ S. Main St., Greenville, S. C.
Hartley Rose Belting Co., W. A. Nicholson, Pres., 425 First Ave., Pittsburgh, Pa.
Hide Leather & Belting Co., A. G. Snider, Pres., 227 S. Meridian St., Indianapolis, Ind.
Himmelein & Bailey (Inc.), W. G. Oaks, Sec., 246 Chestnut St., Phila., Pa.
Hudson Belting Co., R. N. Blakeslee, jr., Treas., 79 Beacon St., Worcester, Mass.
Jewell Belting Co., H. E. Hitchcock, Asst. Sec., Hartford, Conn.
Johnson Belting Co., M. Kaufman, Sec., 423 E. 56th St., New York, N. Y.
Kelley Linehan Belting Co., F. G. Warner, Act. Mgr., 667 Howard St., San Francisco, Calif.
Ladew, Edw. R. Co. (Inc.), P. D. Betterley, Asst. Treas., 29 Murray St., New York, N. Y.
Laurence Belting Co. (Inc), M. G. Mulhern, sales Mgr., 111 Chambers St., New York, N. Y.
McLean Mfg. Corp., A. P. Morris, Sec., 30 Sullivan St., New York, N. Y.
Milwaukee Leather Belting Co., H. W. Craft, Pres. 87 E. Clybourn St., Milwaukee, Wis.
Missouri Belting Co., C. Kraus, Sec., 1021 S. Grand Blvd., St. Louis, Mo.
Moloney Belting Co., C. A. Banks, Pres., 1291 Elston Ave., Chicago, Ill.
Morgan Leather Co., G. H. Morgan, Prop., 923 Real Estate Trust Bldg., Philadelphia, Pa.
Narragansett Belting Co., W. C. Murphy, Treas., 68 W. Exchange St., Providence, R. I.
National Leather Belting Co., N. Freid, Pres., 423 E. 56th St., New York, N. Y.
New York Leather Belting Co., F. E. Booth, V. Pres., 33 Warren St., New York, N. Y.
Norwich Belting Mfg. Co. (Inc.), W. H. Gallups, Asst. to Pres., Norwich, Conn.
Page Belting Co., C. N. Hall, Sec., E. Penacook St., Concord, N. H.
Palmer, N., Belting Co., R. Hargraves, Sec., 571 Iranistan Ave., Bridgeport, Conn.
Philadelphia Belting Co., H. Perpall, Mem., firm, 6th & Spring Garden, Phila., Pa.
Plant Co., A. R. Jewett, Treas., 318 1st Ave., N. Minneapolis, Minn.
Rahmann, Geo., & Co., A. H. Rahmann, Prop., 31 Spruce St., New York, N. Y.
Raniville, F., Co., F. F. Raniville, Pres., 241 Pearl St., N. W., Grand Rapids, Mich.
Regal Belting Co., F. C. Davis, Pres., 2520 Spring Grove Ave., Cincinnati, Ohio.
Rhoads, J. E., & Sons, J. E. Rhoads, Mem. firm, 35 N. 6th St., Phila., Pa.
Salisbury, W. H., & Co., T. R. Claffey, sales Mgr., 308 W. Madison St., Chicago, Ill.
Schieren, Chas. A., Co., R. C. Moore, Sec., 30 Ferry St., New York, N. Y.
Schwartz Belting Co., D. D. Schwartz, Sec., 76 Murray St., New York, N. Y.
Seattle Belting & Supply Co., J. M. Chappel, Mgr., 314 Occidental Ave., Seattle, Wash.
Semmelmeyer Belting Co., J. A. Semmelmeyer, Pres., 720 N. 2d St., St. Louis, Mo.
Shultz Belting Co., C. A. Bartleth, Tres., 4th & Barton Sts., St. Louis, Mo.
Smyth-Despard Co., S. A. Beardsley, jr., Sec., 800 Broad St., Utica, N. Y.
Toxaway Tanning Co., J. S. Silversteen, V. Pres., Rosman, N. C.
Troy Belting & Supply Co., W. D. Lessels, V. Pres., 6 Grand St., Troy, N. Y.
Ulmer Leather Co., L. R. Cochran, V. Pres., Norwich, Conn.
Union Belt Co., R. N. Hathaway, Treas., 66 Troy St., Fall River, Mass.
Van Riper Mfg. Co., W. I. Van Riper, Pres., 14 Van Houten St., Paterson, N. J.
Virginia Leather Co., C. E. Patch, Sec., 2210 McDonough St., Richmond, Va.
Warren Belting Co., W. A. Place, Pres., 33 Arctic St., Worcester, Mass.
Webb Belting Co., Ira C. Brown, Pres., 1507 W. 12th St., Kansas City, Mo.
West Coast Tanning Co., A. A. Cherveny, Pres., 892 Tenino Ave., Portland, Oreg.
Western Belting & Packing Co., F. W. Wells, Pres., 1720 Wazee St., Denver, Colo.
Whiting Leather & Belting Co. (Inc.), R. E. Taylor, Sec., 500 Jackson Ave., Long Island City, N. Y.
Williams, I. B., & Sons, S. L. Hanson, Treas., Dover, N. H.

Spec. 52a, WOOD SCREWS

American Screw Co., George W. Thurston, Vice Pres., 21 Stevens St., Providence, R. I.
Atlantic Screw Works (Inc.), S. M. Monks, Asst. Sec., 85 Charter Oak Ave., Hartford, Conn.
Bridgeport Screw Co., D. J. Flannery, Sec., Williston St., Bridgeport, Conn.
Champion Mfg. Co., Chas. P. Dearbaugh, Pres., 7332 Kimbark Ave., Chicago, Ill.

Continental Wood Screw Co., D. O. Davis, sales Mgr., Mt. Pleasant St., New Bedford, Mass.
Corbin Screw Corp., John S. Black, Gen. Supt., High and Myrtle Sts., New Britain, Conn.
Eagle Lock Co., O. B. Hough, Treas., 26 Warren St., New York, N. Y.
Elco Tool & Screw Corp., Paul G. Swanson, Treas., 14th Ave. & 13th St., Rockford, Ill.
National Lock Co., I. J. Mallon, Vice Pres., 18th Ave. & 7th St., Rockford, Ill.
National Screw & Mfg. Co., C. R. Elliott, Asst. Sec., 2440 E. 75th St., Cleveland, Ohio.
Reading Screw Co., W. C. High, Asst. Treas., Main & Gay Sts., Norristown, Pa.
Reed & Prince Mfg. Co., Chester Reed, Sec., 1 Duncan Ave., Worcester, Mass.
Sonnenschein, Jacob, Monadnock Bldg., San Francisco, Calif.
Whitney Screw Corp., Rupert C. Jeffery, Pres., Chautauqua Ave., Nashua, N. H.

Spec. 53, NUMBERED COTTON DUCK

Aragon Mills, J. C. Platt, Supt., Aragon, Ga.
Barrell, Wm. L., Co. of New York (Inc.), Salbo M. Kahn, Sec., 40 Worth St., New York, N. Y.
Bennett, Fred S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Boott Mills, F. A. Flather, Treas., foot of John St., Lowell, Mass.
Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Carpenter, Geo. B., & Co., Thomas D. Lewis, Mgr., cotton duck Dept., 440 N. Wells St., Chicago, Ill.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Gandy Belting Co., W. K. Cromwell, Pres., 726 W. Pratt St., Balto., Md.
Herring, M. Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, owner, 615 Chestnut St., Phila., Pa.
Laacke, R. Co., R. Laacke, sales Mgr., 543 3rd St., Milwaukee, Wis.
Leslie, Evans & Co. (sole selling Agt. Savage Mfg. Co.) H. M. Leslie, Mem. firm, 39 Thomas St., New York, N. Y.
Morrillton Cotton Mills (Inc.), J. S. Bachman, Mgr., P. O. Box 188, Morrillton, Ark.
Mount Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
Penfield, A. H., & Co. (Inc.), A. H. Penfield, Pres., 320 Broadway, New York, N. Y.
Roloson Mfg. Co., The, B. U. Dotson, V. Pres., 117 W. Water St., Lima, Ohio.
Simon Bros., Louis Simon, Mgr., 506 Broadway, New York, N. Y.
Turner Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.
Wellington, Sears & Co., Norman S. Hopes, Mem. firm, 65 Worth St., New York, N. Y.
Willingham Cotton Mills, B. E. Willingham, jr., Pres., Box 317, Macon, Ga.
Woodward Baldwin & Co., G. Brent Dorsey, partner, 43 Worth St., New York, N. Y.

Spec. 55, CUTOUT BASES

Armstrong & White, B. B. White, Treas., 709 Renshaw Bldg., Pittsburgh, Pa.
Arrow Electric Co., W. H. Harrington, Engr., 103 Hawthorn St., Hartford, Conn.
Benjamin Electric Mfg. Co., R. B. Benjamin, Pres., 120 S. Sangamon St., Chicago, Ill.
Bryant Electric Co., H. P. Harris, sales service Mgr., Bridgeport, Conn.
Chase-Shawmut Co., F. D. Masterson, V. Pres., 374 Merrimac St., Newburyport, Mass.
Chicago Fuse Mfg. Co., H. R. Cook, Ch. Engr., 1501 West 15th St., Chicago, Ill.
Connecticut Electric Mfg. Co., A. M. Birks, Asst. sales Mgr., Conn. & Florence Aves., Bridgeport, Conn.
Danbury Electric Mfg. Co., K. Knaussam, Sec., 6 Highland Ave., Danbury, Conn.
Economy Fuse & Mfg. Co., Morgan P. Ellis, Gen. sales Mgr., 2717 Greenview Ave., Chicago, Ill.
General Electric Co., D. W. Niven, Mgr. Federal & Marine Dept., 1 River Rd., Schenectady, N. Y.
Heinemann Electric Co., Bernard Berlin, Pres., 1730 N. Fifth St., Phila., Pa.
Johns-Pratt Co., D. G. Phelps, V. Pres., Van Dyke Ave., Hartford, Conn.
King, B. C. Mfg. (Inc.), Benjamin C. King, Pres., 302 Park Ave., Brooklyn, N. Y.
Large-Dail Mfg. Co. (Inc.), Edward A. Dail, Pres., 606 Cherry St., Phila., Pa.
Majestic Electric Mfg. Co., J. Smurcina, V. Pres., 806 N. 12th St., St. Louis, Mo.
Mendell Electric Mfg. Co. (Inc.), Charles W. Smith, Engr., Main & Depot Sts., Mattapoisett, Mass. (Slate base cartridge fuse cutouts only.)
Multi Electrical Mfg. Co., C. T. McDonald, Pres., 1848 W. 14th St., Chicago, Ill.
Thomas, R. & Sons Co., H. R. Holmes, Gen. Mgr., 7th St., East Liverpool, Ohio.
Trumbull Electric Mfg. Co., S. S. Gwillim, Sec., Woodford Ave., Plainville, Conn.

Spec. 57, FLEXIBLE NONMETALLIC TUBING

American Circular Loom Co., F. C. Hodkinson, Gen. Mgr., 90 West St., New York, N. Y.
American Wiremold Co., W. D. Ball, Sec., 252 Asylum St., Hartford, Conn.
Eastern Tube & Tool Co. (Inc.), Edwin J. Schneider, Gen. Mgr., 594 Johnson Ave., Brooklyn, N. Y.
Electric Conduits Co., Philip H. Rogers, Mgr., 332 Leland Ave., Plainfield, N. J.
Graybar Electric Co., W. H. Leathers, Mgr. Govt. Dept., 100 East 42nd St., New York, N. Y.
National Metal Molding Co., C. J. Kim. Asst. sales Mgr., 1110 Fulton Bldg., Pittsburgh, Pa.
Non-Metallic Pliaduct Co. (Inc.), H. M. Short, V. Pres., Seneca St., Penn Yan, N. Y.
Saylor Electric & Mfg. Co., F. D. Saylor, Pres,. 1014 Lynn St., Detroit, Mich.
Triangle Conduit Co. (Inc.), H. J. Westphal, sales Engr., Dry Harbor Rd. & Cooper Ave., Brooklyn, N. Y.
Tubular Woven Fabric Co., Horatio N. Otis, Sec., Pawtucket Ave., Pawtucket, R. I.

Spec. 58a, DRY CELLS AND BATTERIES

TYPES OF CELLS AND BATTERIES

A, No. 6 dry cells (general purpose type).
B, No. 6 dry cells, telephone type (light service cells).
C, No. 6 dry cells, radio "A" type.
D, Assembled batteries of No. 6 cells.
E, Flashlight cells and batteries.
F, Radio "B" batteries.
G, Radio "C" batteries.

Advance Battery Corp., Ralph Gelarden, Pres., 59 Pearl St., Brooklyn, N. Y. (A, C, E, F, G only.)
Austin Accessories Mfg., Co. D. J. Berger, Pres., 12 S. Clinton St., Chicago, Ill. (A, E, F, G only.)
Bond Electric Corp., L. H. Keller, V. Pres., 257 Cornelison Ave., Jersey City, N. J. (All.)
Bridgeport Metal Goods Mfg. Co., I. L. Ferris, Factory Mgr., Bridgeport, Conn. (A, B, C, E, F, G only.)
Bright Star Battery Co., H. Koretzky, Treas., 15th St. & Riverhead, Hoboken, N. J. (A, B, D, E, F, G only.)
Carbon Products Co., C. H. Heckenstein, V. Pres. S. Ewing St., Lancaster, Ohio. (A, B, C, D, E, G only.)
Champion Carbon Mfg. Co., J. E. Peavey V. Pres., 1302 First Nat. Bank Bldg., Cincinnati, Ohio. (A, C, D, E, F, G, only.)
Coast Dry Battery Co., E. M. Doernbecher, Pres., 1327 Rainier Ave., Seattle, Wash. (All.)
Comet Co., W. R. Loreman, Pres., 1137 W. 6th St., Cleveland, Ohio. (E, F, G, only.)
Diamond Electric Corp., G. Thomson, V. Pres., 780 Frelinghuysen Ave., Newark, N. J. (All.)
French Battery Co., W. W. Caigill, V. Pres., 2317 Winnebago St., Madison, Wis. (All.)
General Dry Batteries (Inc.), W. G. Waitt, V. Pres., 13100 Athens Ave. W., Cleveland, Ohio. (A, B, C, D, F, G only.)
Giant Radio Battery Co. (Inc.), E. J. Cohen, Asst. Gen. Mgr., 71 Wallabout St., Brooklyn, N. Y. (E, F, G only.)
Graybar Electric Co. (Inc.), C. H. Brotherton, Mgr. Gov. Dept., 420 Lexington Ave., New York, N. Y. (B only.)
Hipwell Mfg. Co., H. H. Hipwell, Pres., 831 N. Ave., Pittsburg, Pa. (All.)
Marathon Battery Co., E. J. McEachron, V. Pres., Henrietta St., Wausau, Wis. (A, C, E, F, G only.)
National Carbon Co. (Inc.), E. G. Clemenson, Asst. Gen. sales Mgr., 30 East 42d St., New York, N. Y. (All.)
Standard Electric Novelty Co. (Inc.), Irving H. Wald, Gen. Mgr., 19 Bond St., New York, N. Y. (All.)
Sturges Multiple Battery Corp., H. W. Spalm, Gen. Mgr., Van Wyck Ave., Jamaica, N. Y. (C, E, F, G only.)
United States Electric Mfg. Corp., H. Hyman, Pres., 222 W. 14th St., New York, N. Y. (E, F, G only.)
U. S. L. Battery Corp., A. A. MacLean, V. Pres., Niagara Falls, N. Y. (A, E, F, G only.)
Winchester Repeating Arms Co., H. Thompson, Treas., 275 Winchester Ave., New Haven, Conn. (E, F, G only.)

Spec. 62, SNAP SWITCHES

Arrow Electric Co., W. H. Harrington, Engr., 103 Hawthorn St., Hartford, Conn.
Beaver Machine & Tool Co. (Inc.), Ernest B. Slade, Pres., 625 No. 3d St., Newark, N. J.
Bryant Electric Co., H. P. Harris, sales service Mgr., 1421 State St., Bridgeport, Conn.
Connecticut Electric Mfg. Co., A. M. Birks, Asst. sales Mgr., Conn. & Florence Aves., Bridgeport, Conn.
Cutler Hammer Mfg. Co., H. B. Phillips, Mgr., Mdse. sales, 12th & St. Paul Ave., Milwaukee, Wis.
Electric Service Supplies Co., Harry L. Handwork, Ass't. sales Mgr., 17th & Cambria Sts., Phila., Pa.
General Electric Co., D. W. Niven, Mgr., Federal & Marine Dept., 1 River Rd., Schenectady, N. Y.
Hart & Hegeman Mfg. Co., Haynes L. Everest, Gen. sales Mgr., 342 Capitol Ave., Hartford, Conn.
Hart Mfg. Co., G. C. Barry, sales Mgr., Hamilton St., Hartford, Conn.
Hubbell, Harvey (Inc.), H. W. Bliven, V. Pres., State St. & Bostwick Ave., Bridgeport, Conn.
Hyman, Henry & Co. (Inc.), S. Calvert, sales Mgr., 222 W. 14th St., New York, N. Y.
Mutual Electric & Machine Co., Leon H. Frank, Gen. sales Mgr., 7610 Joseph Campau Ave., Detroit, Mich.
United Electric Apparatus Co., A. A. Ziegler, Gen. Mgr., 1529 Columbus Ave., Boston, Mass.

Spec. 65, RUBBER COVERED WIRES AND CABLES FOR ORDINARY PURPOSES

American Steel & Wire Co., James B. Bonner, Mgr. of sales, 603 Wilkins Bldg., Washington, D. C.
Atlantic Insulated Wire and Cable Co., J. H. Maxon, V. Pres., Rome, N. Y.
Belden Mfg. Co., N. B. Parsons, V. Pres., 2300 S. Western Ave., Chicago, Ill.
Bishop Wire & Cable Corp., W. J. Mundell, V. Pres., 420 E. 25th St., New York, N. Y.
Boston Insulated Wire & Cable Co., H. B. Burley, Pres., 65 Bay St., Postal District 25, Boston, Mass.
Collyer Insulated Wire Co., R. O. Moeller, Treas., 249 N. Main St., Pawtucket, R. I.
Crescent Insulated Wire & Cable Co., A. H. Battye, Sec., Olden & Taylor Aves., Trenton, N. J.
Detroit Insulated Wire Co., George S. Wiley, Chem. Engr., 4647 Wesson Ave., Detroit, Mich.
General Electric Co., D. W., Niven, Mgr. Federal & Marine Dept., 1 River Rd., Schenectady, N. Y.
Graybar Electric Co., W. H. Leathers, Mgr. Gov. Dept. 100 East 42nd St., New York, N. Y.
Habirshaw Cable & Wire Corp., W. A. Delmar, Ch. Engr., Point St., Yonkers, N. Y.
Hazard Mfg. Co., Carl Brodhun, Asst. sales Mgr., 81 E. Ross St., Wilkes-Barre, Pa.
Indiana Rubber & Insulated Wire Co., R. W. Seiberling, Sec., Jonesboro, Ind.
National Metal Molding Co., C. J. Kim, Asst. sales Mgr., 1110 Fulton Bldg., Pittsburgh, Pa.

Okonite Co., Lewis G. Martin, V. Pres., Canal St., Passaic, N. J.
Roebling's, John A., Sons Co., James A. DeWan, sales Agt., Trenton, N. J.
Rome Wire Co., E. H. Ethridge, Sec., Rome, N. Y.
Safety Cable Co., O. R. Grant, Asst. sales Mgr., 114 Liberty St., New York, N. Y.
Seward Wire Co. (Inc.), T. J. Seward, Pres., Camden Ave., South Side, Parkersburg, W. Va.
Simplex Wire & Cable Co., Wm. T. Davis, sales Mgr., 201 Devonshire St., Boston, Mass.
Standard Underground Cable Co., A. H. Williams, Acting V. Pres., S. W. cor. 17th & Pike Sts., Pittsburgh, Pa.
Triangle Conduit Co., H. J. Westphal, sales Engr., Dry Harbor Rd. & Cooper Ave., Brooklyn, N. Y.
Tubular Woven Fabric Co., Horatio N. Otis, Sec., Pawtucket Ave., Pawtucket, R. I.
United States Rubber Co., J. A. Wasegan, Mgr. wire sales, 1790 Broadway, New York, N. Y.
Whitney Blake Co., M. E. Chester, Sec., 30 Marne St., New Haven, Conn.

Spec. 66, WATER RESISTING RED ENAMEL

(Now being revised.)

Spec. 67, GLOSS INTERIOR LITHOPONE PAINT, WHITE AND LIGHT TINTS

(Now being revised.)

Spec. 80, COAL-TAR PITCH FOR ROOFING

American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. N. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Coopers Creek Chemical Co., R. J. Titzel, V. Pres., W. Conshohocken, Pa.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Jamestown Wood Finishing Co. (Inc.), J. R. Hartley, Pres., Blackstone Ave., Jamestown, N. Y.
Jennison-Wright Co., C. R. Faben, Mgr. Tar Prod. Dept., 2463 Broadway, Toledo, Ohio.
Klein Mfg. Co., H. H. Jaenlee, Sec., 402 Perry Payne Bldg., Cleveland, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
Nelson, B. F., Mfg. Co., C. E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Sherwin Williams Co., A. Larkins, Mgr. Gov. Sales, 601 Canal Rd., Cleveland, Ohio.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 81, COAL TAR SATURATED RAG FELT FOR ROOFING AND WATERPROOFING

American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Continental Roofing & Mfg. Co., 16th St. & 2nd Ave., Balto., Md.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Murray, Alexander & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Roofing Mfg. Co., H. O. Ruby, Sec., 44 S. George St., York, Pa.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Watson, H. F., Co., E. 16th St., Erie, Pa.

Spec. 82, SURFACING MATERIALS FOR BITUMINOUS BUILT-UP ROOFING

American Asphalt Roof Corp., 15th St., & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 So. M St., Tacoma, Wash.
Continental Roofing and Mfg. Co., 16th St., & 2d Ave., Balto., Md
Eagle Paint & Varnish Co., Otto Greenberg, Pres., 10211 Harvard Ave., Cleveland, Ohio.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Goheen Corp. of New Jersey, N. L. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Hetzel, J. G., Estate, Thos. A. F. Baudermann, sales Mgr., 67 Maine St., Newark, N. J.
Los Angeles Chemical Co., James J. Haprov, V. Pres., 2200 Santa Fe Ave., Los Angeles, Calif.
Murray, Alexander, & Co., (Ltd.), Canada Cement Bldg., Montreal, Canada.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.

Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 95 Madison Ave., New York, N. Y.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Tar Products Corp., M. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), Harry J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 83, COAL-TAR PITCH FOR WATERPROOFING AND DAMP PROOFING

American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Continental Roofing & Mfg. Co., 16th St. & 2nd Ave., Balto., Md.
Coopers Creek Chemical Co., R. J. Titzel, V. Pres., W. Conshohocken, Pa.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Jamestown Wood Finishing Co. (Inc.), J. R. Hartley, Pres., Blackstone Ave., Jamestown, N. Y.
Jennison-Wright Co., C. R. Faben, Mgr. Tar Prod. Dept., 2463 Broadway, Toledo, Ohio.
Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
Nelson, B. F., Mfg. Co., C. E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Sherwin Williams Co., A. Larkins, Mgr., Govt. sales, 601 Canal Rd., Cleveland, Ohio.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 84, ASPHALT FOR MINERAL-SURFACED ROOFING

American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Frost Paint & Oil Co., H. S. Frost, Sec., 1209 Tyler St., N. E., Minneapolis, Minn.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Goheen Corp. of New Jersey, N. L. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Klein Mfg. Co., H. H. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.
Knapp, E. J., Co., C. H. Knapp, Pres., Belding, Mich.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
Midwest Refining Co., H. B. Carpenter, Mgr. asphalt Dept. 1st Nat. Bank Bldg., Denver, Colo.
Murray, Alexander & Co., (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooks, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., P. Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., C. E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Ohmlac Paint & Refining Co., L. F. Linaley, owner, 140 S. Dearborn St., Chicago, Ill.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 95 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Standard Oil Co. (Calif.), J. K. Jirth, jr., Mgr. Fuel, Oil & Asphalt Div., 225 Bush St., San Francisco, Calif.
Standard Oil Co. (Ind.), C. C. Lakin, Mgr. asphalt Dept., 910 S. Mich. Ave., Chicago, Ill.
Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 85, ASPHALT FOR WATERPROOFING AND DAMP PROOFING

American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Asphalt Roofing Products Co. (Inc.), J. E. Cassidy, Pres., 815 15th St., Washington, D. C.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beacon Oil Co. (Inc.), L. J. Walsh, V. Pres., 30 Beacham St., Everett, Mass.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.

Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Chacon Trading Co., R. M. A. Chacon, Gen. Mgr., 82 Beaver St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Eagle Paint & Varnish Co., O. Greenberg, Pres., 10211 Harvard Ave., Cleveland, Ohio.
Eclipse Paint & Color Co., C. P. Cox, Sales Mgr., 105 N. 7th, St. Louis, Mo.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Frost Paint & Oil Co., H. S. Frost, Sec., 1209 Tyler St., NE., Minneapolis, Minn.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Goheen Corp. of N. J., N. L. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Hampden Paint & Chemical Co., C. C. Carlson, Asst. Treas., Springfield, Mass.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Joseph Mfg. Co., J. S. Pedrick, owner, 122 Chestnut Ave., Woodlynne, N. J.
Keystone Roofing Mfg. Co., York, Pa.
Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.
Knapp, E. J., Co., Clifford H. Knapp, Pres., Belding, Mich.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
Midwest Refining Co., H. B. Carpenter, Mgr., asphalt dept., 1st Nat. Bank Bldg., Denver, Colo.
Murray, Alexander & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Roofing Co., Paul Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
No-Leak Roofing & Paint Co., R A. Burch, Pres., Beechwood Ave., Toledo, Ohio.
Ohmlac Paint & Refining Co., L. F. Linaley, owner, 140 S. Dearborn St., Chicago, Ill.
Pan American Petroleum Co., J. R. Keane, Mgr. fuel oil & asphalt sales, 10th & Flower Sts., Los Angeles, Calif.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Asphalt Co., R. I. Wishnick, Pres., 251 Front St., New York, N. Y.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 95 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Sinclair Refining Co. of La. (Inc.), F. W. Froley, 916 New Orleans Bank Bldg., New Orleans, La.
Standard Oil Co. (Calif.), J. K. Jirth, jr., Mgr. fuel oil & asphalt Div., 225 Bush St., San Francisco, Calif.
Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.
Standard Oil Co. (N. Y.), B. L. Boye, Ass't. Mgr., road oil & asphalt Dept., 26 Broadway, New York, N. Y.
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), Harry J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 86, ASPHALT-SATURATED RAG FELT FOR ROOFING AND WATERPROOFING

American Asphalt Roof Corporation, 15th St. & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
Midwest Refining Co., H. B. Carpenter, Mgr., asphalt dept., 1st Nat. Bank Bldg., Denver, Colo.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooks, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., Paul Bennett, sales mgr., Tonawanda, N. Y.
National Roofing Mfg. Co., H. O. Ruby, Sec., 44 S. George St., York, Pa.
Nelson, B. F., Mfg. Co., C. E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 95 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Weaver-Henry Mfg. Co., 2440 E. 8th St., Los Angeles, Calif.
Weaver Wall Co., 3700 Brookpark Rd., Cleveland, Ohio.

Spec. 87, ASPHALT PRIMER FOR ROOFING AND WATERPROOFING

American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Ashland Paint Co., E. W. Miller, Gen. Mgr., Huntington, W. Va.
Asphalt Roofing Products Co. (Inc.), J. Edward Cassidy, Pres., 815 15th St., Washington, D. C.
Barber Asphalt Co., 1600 Arch St., Phila, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Briggs Bituminous Composition Co. (Inc.), A. A. Hughes, Sec., 33 Rector St., New York, N. Y.
Buckeye Paint & Varnish Co., P. F. Whalen, jr., V. Pres., 15th and Lucas Sts., Toledo, Ohio.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Eclispe Paint & Color Co., C. P. Cox, sales mgr., 105 N. 7th St., St. Louis, Mo.
Elliott Varnish Co., H. A. Rowland, Pres., 4525 Fifth Ave., Chicago, Ill.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Frost Paint & Oil Co., H. S. Frost, Sec., 1209 Tyler St., N. E., Minneapolis, Minn.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Goheen Corp. of N. J., N. L. Ludeau, Sec., 202 Emmet Street, Newark, N. J.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Joseph Mfg. Co., Joseph S. Pedrick, owner, 122 Chestnut Ave., Woodlynne, N. J.
Klein Mfg. Co., H. H. Jaenlee, Sec., 402 Perry-Payne Building, Cleveland, Ohio.
Lastik Products Corp., H. Amwake, V. Pres., Clyde at P. R. R. Crossing, Wampum, Pa.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
Merkin, M. J., Paint Co. (Inc.), Edward Burger, Gen. Mgr., 25 Spruce St., New York, N. Y.
Midwest Refining Co., H. B. Carpenter, Mgr., Asphalt Dept., 1st Nat. Bank Bldg., Denver, Colo.
Missouri Paint & Varnish Co., J. V. Frank, V. Pres., 5125 N. 2d Street, St. Louis, Mo.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooks, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., Paul Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
No-Leak Roofing & Paint Co., R. A. Bruch, Pres., Beechwood Ave., Toledo, Ohio.
Ohmlac Paint & Refining Co., L. F. Linaley, Pres., 140 S. Dearborn St., Chicago, Ill.
Pan American Petroleum Co., J. R. Keane, Mgr., fuel oil & asphalt sales Dept., 10th and Flower Sts., Los Angeles, Calif.
Pioneer Asphalt Co., John Young, Pres., 251 Front St., New York, N. Y.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Rezilite Mfg. Co., Thomas Mack, Prop., 122 S. Michigan Ave., Chicago, Ill.
Ruberoid Co., 95 Madison Ave., New York, N. Y.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Solar Compounds Corp., S. N. Hersloff, Treas., Whittier St., Linden, N. J.
Standard Oil Co. (Ind.), C. C. Lakin, Mgr. asphalt & road oil Dept., 910 S. Michigan Ave., Chicago, Ill.
Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Suydam, M. B., Co., R. S. Suydam, Pres., Preble and Island Aves., Pittsburgh, Pa.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Weaver Henry Mfg. Co., 2440 E. 8th St., Los Angeles, Calif.
Zophar Mills (Inc.), Harry J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 88, ASPHALT FOR UNSURFACED BUILT-UP ROOFING

American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M. St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Eclipse Paint & Color Co., C. P. Cox, Sales Mgr., 105 N. 7th St., St. Louis, Mo.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.

Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
Midwest Refining Co., H. B. Carpenter, Mgr., asphalt Dept., 1st Nat. Bank Bldg., Denver, Colo.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooke, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., P. Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneaplis, Minn.
New Orleans Refining Co. (Inc.), L. W. Law, Mgr., asphalt sales Dept., 900 United Fruit Bldg., New Orleans, La. (Grade 1 only.)
Ohmlac Paint & Refinining Co., L. F. Linaley, Pres., 140 S. Dearborn St., Chicago, Ill.
Pan American Petroleum Co., J. R. Keane, Mgr. fuel oil & asphalt sales Dept., 10th & Flower Sts., Los Angeles, Calif.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Asphalt Co., R. I. Wishnick Pres., 251 Front St., New York, N. Y.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Sinclair Refining Co. of La. (Inc.), F. W. Froley, 916 New Orleans Bank Bldg., New Orleans, La.
Standard Oil Co. (Ind.), C. C. Lakin, Mgr., asphalt & road oil Dept., 910 S. Michigan Ave., Chicago, Ill.
Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.
Standard Oil Co. (N. Y.), B. L. Boye, Asst. Mgr., 26 Broadway, New York, N. Y. (Grade 1 only.)
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 93, ASBESTOS-COPPER GASKETS, CORRUGATED

Akron Metallic Gasket Co., C. H. Kinzel, Mgr., 150 N. Union St., Akron, Ohio.
Colossus Industries (Inc.), J. R. Russell, Pres., 207 Crockett St., Shreveport, La.
McCord Radiator & Mfg. Co., Ford Wilders, 2588 E. Grand Blvd., Detroit, Mich.
Metallo Gasket Co., Zeno Schultes, Pres., 12 Bethany St., New Brunswick, N. J.
Phoenix Specialty Mfg. Co., A. H. Lowman, Sec., 155 Wooster St., New York, N. Y.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Indestructible Gasket Co., Louis J. Rebelle, Sec., 829 E. 15th St., Brooklyn, N. Y.

Spec. 95, ASBESTOS VALVE STEM PACKING

Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Asbestos Fibre Spinning Co., Wm. H. Huber, Pres., Elm Ave., North Wales, Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Braiding & Packing Works of America, A. L. Marks, Treas., 250 46th St., Brooklyn, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Colossus Industries (Inc.), J. R. Russell, Pres., 207 Crockett St., Shreveport, La.
Consolidated Packing & Supply Co., G. A. Wismer, Pres., 21 Barclay St., New York, N. Y.
Crandall Packing Co., A. R. Gillman, Treas., Palmyra, N. Y.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.
Excel Asbestos Mfg. Co., Wm. Blank, Gen. Mgr., 403 South Ave., Garwood, N. J.
Federal Metallic Packing Co., R. H. Osborn, Gen. Mgr., Foundry St., Wakefield, Mass.
General Asbestos & Rubber Co., E. H. Jeffords, V. Pres., P. O. Box, 67, North Charleston, S. C.
Greene, Tweed & Co., Willard R. Platt, Pres., 109 Duane St., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Johns-Manville Corp., J. Newman, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keasbey Mattison Co., J. M. Weaver, Gen. Mgr., Ambler, Pa.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
National Asbestos Packing Mfg. Co. (Inc.), Fred. W. Blank, Pres., 30 Front St., New York, N. Y.
Philadelphia, Asbestos Co., Jas. Davis, jr., Sec., 2010 N. 10th St., Phila., Pa.
Quaker City Rubber Co., H. R. Shellenberger, Sec., Comly & Milnor St., Phila., Pa.
Raybestos Co., Morton F. Judd, V. Pres., Railroad & Bostwick Ave., Bridgeport, Conn.
Standard Packings Co., Ernest H. Smith, Pres., 6523 Euclid Ave., Cleveland, Ohio.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
Union Asbestos & Rubber Co., C. Morin, Sec., 1821 S. 54th Ave., Cicero, Ill.
United States Asbestos Co., O. H. Cillry, Steigel St., Manheim, Pa.
Whitney, Jos. A., Jos. A. Whitney, 333 Arch St., Camden, N. J.

Spec. 99, FABRIC CONDENSER TUBE PACKING

Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Kotten Machine Co. (Inc.), George W. Knappmann, Pres., 170 34th St., Brooklyn, N. Y.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.

Spec. 100, FIBER PACKING FOR LUBRICATING AND FUEL OIL

American Rubber Mfg. Co., G. J. Krattign, Sec., Park Ave., & Watts St., Oakland, Calif.
Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila, Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Baeder Adamson Co., Geo. H. Halpin, V. Pres., Richmond St., & Allegheny Ave., Phila., Pa.
Cleveland Gasket & Mfg. Co., Henry A. Lindsley, Owner, 1602 W. 116th St., Cleveland, Ohio.
Colossus Industries (Inc.), J. R. Russell, Pres., 207 Crockett St., Shreveport, La.
Consolidated Packing & Supply Co., G. A. Wismer, Pres., 21 Barclay St., New York, N. Y.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Johns-Manville Corp., J. Newman, Asst. Treas., 292 Madison Ave., New York, N. Y.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
Vellumoid Co., G. C. Beale, Treas., 54 Rockdale St., Worcester, Mass.

Spec. 101c, FLAX PACKING

Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Braiding & Packing Works of America, A. L. Markel, Treas., 250 46th St., Brooklyn, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Clinton Mfg. Co. (Inc.), W. C. Deen, Pres., 83 Grand Ave., Brooklyn, N. Y.
Crandall Packing Co., A. R. Gilman, Treas., Palmyra, N. Y.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.
Grady-Travers Co. (Inc.), Thos. O. Dunkerly, Sec., 60 Thomas St., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Johns-Manville Corp., J. Newman, Asst. Treas., 292 Madison Ave., New York, N. Y.
Linear Packing & Rubber Co. (Inc.), W. C. Fisher, Sec., Marshall & Beeks Sts., Phila., Pa.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Quaker City Rubber Co., H. R. Shellenberger, Sec., Comly & Milnor Sts., Phila., Pa.
Standard Packings Co., Ernest H. Smith, Pres., 6523 Euclid Ave., Cleveland, Ohio.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Asbestos Co., O. H. Cillry, Sec., Steigel St., Manheim, Pa.
Whitney, Joseph, A., Joseph A. Whitney, 333 Arch St., Camden, N. J.

Spec. 102, FLEXIBLE METALLIC PACKING

Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Crandall Packing Co., A. R. Gilman, Treas., Palmyra, N. Y.
Crane Packing Co., F. E. Payne, Pres., 1800 Cuyler Ave., Chicago, Ill.
Federal Metallic Packing Co., R. H. Osborn, Gen. Mgr., Foundry St., Wakefield, Mass.
France Packing Co., A. W. France, Pres., 6512 Tacony St., Phila., Pa.
Passaic Metal Packing Co., W. H. Heyne, jr., Mgr., P. O. Box 212, Passaic, N. J.
Relief Packing Co., L. E. Springer, Pres., P. O. Box 1002, Ellwood City, Pa.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.

Spec. 105, METALLIC PACKING (FIXED RING TYPE)

American Metallic Packing Co., John B. Walker, Mgr., 3621 Mexico St., Pittsburgh, Pa.
Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Collins Metallic Packing Co., Jas. E. Sulger, Pres., Machinery Exhibit Bourse Bldg., Phila., Pa.
Colossus Industries (Inc.), J. R. Russell, Pres., 207 Crockett St., Shreveport, La.
Federal Metallic Packing Co., R. H. Osborn, Gen. Mgr., Foundry St., Wakefield, Mass.
France Packing Co., A. W. France, Pres., 6512 Tacony St., Phila., Pa.
Hennebohle, Frank, Mgr., 8101 S. Chicago Ave., Chicago, Ill.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Katzenstein, L., & Co., Martin L. Katzenstein, V. Pres., 117 Liberty St., New York, N. Y.
Northern Metallic Packing Co., S. B. Mack, Pres., St. Paul, Minn.
Pioneer Co., George Thiessen, Gen. Mgr., 503 Columbia St., Brooklyn, N. Y.
Relief Packing Co., L. E. Springer, Pres., P. O. Box 1002, Ellwood City, Pa.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Metallic Packing Co., N. O. Brown, Office Mgr., 429 N. 13th St., Phila., Pa.

Spec. 106, PLASTIC METALLIC PACKING

Albion Mfg. Co. E. A. Nelson, Pres., 5710 Carson Ave., Seattle, Wash.
Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Collins Metallic Packing Co., Jas. E. Sulger, Pres., Machinery exhibit, Bourse Bldg., Phila., Pa.
Conneaut Packing Co., J. D. Riley, Pres., 353 Broad St., Conneaut, Ohio.
Crane Packing Co., F. E. Payne, Pres., 1800 Cuyler Ave., Chicago, Ill.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.

France Packing Co., A. W. France, Pres., 6512 Tacony St., Phila., Pa.
Grapho-Metal Packing Co., Al. A. D. Smith, Pres., 2232 Alvord St., Indianapolis, Ind.
Hollow Center Packing Co., Ernest H. Smith, Pres. 6523 Euclid Ave., Cleveland, Ohio.
Metalastic (Inc.), Hugh T. Stewart, V. Pres., 90 Montgomery St., Jersey City, N. J.
Standard Packings Co., Ernest H. Smith, Pres., 6523 Euclid Ave., Cleveland, Ohio.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.

Spec. 107a, SEMIMETALLIC PACKING

Albion Mfg. Co., E. A. Nelson, Pres., 5710 Corson Ave., Seattle, Wash.
Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Colossus Industries (Inc.), J. R. Russell, Pres., 207 Crockett St., P. O. Box 71, Shreveport, La.
Crane Packing Co., F. E. Payne, Pres., 1800 Cuyler Ave., Chicago, Ill.
Dickson, Stewart, & Co. (Inc.), Stewart Dickson, Pres., 116 Broad St., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
Standard Packings Co., Ernest H. Smith, 6523 Euclid Ave., Cleveland, Ohio.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
Union Asbestos & Rubber Co., C. Morin, Sec., 1821 S. 54th Ave., Cicero, Ill.
Walker, James, & Co. (Ltd.), Charles L. Willis, Mgr., 46 West St., New York, N. Y.

Spec. 108, SOLID METALLIC PACKING (FLOATING RING TYPE)

American Metallic Packing Co., John B. Walker, Mgr., 3621 Mexico St., Pittsburgh, Pa.
Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Cook, C. Lee, Mfg. Co. (Inc.), F. D. Durham, Gen. Mgr., 916 S. 8th St., Louisville, Ky.
France Packing Co., A. W. France, Pres., 6512 Tacony St., Phila., Pa.
Locomotive Finished Material Co., W. E. Muchnic, Pres., 3d & Parks St., Atchison, Kans.
Martell Packings Co., E. W. Beidler, Pres., 333 E. Bridge St., Elyria, Ohio.
Morris Metallic Packing Co. (Inc.), A. W. Morris, Pres., Lehigh Ave. & Mutter St., Phila., Pa.
Nerrill, Wm. B., & Co., John E. Fowler, Mgr., 3368 Washington St., Boston, Mass.
Northern Metallic Packing Co., S. B. Mack, Pres., St. Paul, Minn.
Pioneer Co., Geo. A. Thiessen, Gen. Mgr., 503 Columbia St., Brooklyn, N. Y.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Metallic Packing Co., W. O. Brown, Office Mgr., 429 N. 13th St., Phila., Pa.

Spec. 115, TITANIUM PIGMENT, DRY AND PASTE

(Specification canceled.)

Spec. 123, FLAT GLASS FOR GLAZING PURPOSES

Aetna Glass & Mirror Works, P. G. Lynch, Mem. Firm, 19 Hayward St., Brooklyn, N. Y.
American Plate Glass Corp., John Willis, Asst. Sec., Kane, Pa.
American Window Glass Co., Geo. H. Hayes, Gen. sales Agt., 1609 Farmers Bank Bldg., Pittsburgh, Pa.
Bache, Semon & Co., David Hirsch, Asst. Sec., 636 Greenwich St., New York, N. Y.
Baker Bros. Glass Co., John E. Baker, Sec., Okmulgee, Okla.
Baur Window Glass Co., A. E. Baur, Prop., Eaton, Ind.
Belknap, C. C., Glass Co., Robert Bostwick, Asst. Mgr., 1900 Railroad Ave., Seattle, Wash.
Bienenfeld Glass Works (Inc.), Morris Bienenfeld, Sec., 1539 Covert St., Brooklyn, N. Y.
Binswanger & Co. (Inc.), H. S. Binswanger, Pres., 304 S. 6th St., Richmond, Va.
Blackford Window Glass Co., N. J. Dognaux, Sec., 537 Willow St., Vincennes, Ind.
Bradford, James, Co., W. M. Francis, Pres., 212 Market St., Wilmington, Del.
Butcher, L. H. Co., S. L. Schwartz, Pres., 274 Brannan St., San Francisco, Calif.
Cadillac Glass Co., R. L. Martin, Pres., 2570 Hart Ave., Detroit, Mich.
Century Glass & Paint Co., Clyde A. Simons, Pres., 212 St. Clair Ave. NE., Cleveland, Ohio.
Citizens Glass Co., Jules L. Biren, Gen. Mgr., Gardner St., Barnesville, Ohio.
Clarksburg Glass Co., W. W. Sims, Pres., Clarksburg, W. Va.
Eureka Glass Works (Inc.), Edward Dillmeier, Pres., 85 Hope St., Brooklyn, N. Y.
Ford, Edward, Plate Glass Co., J. Roy Helm, sales Mgr., Rossford, Ohio.
Fuller, W. P., & Co., A. H. Browell, Treas., 301 Mission St., San Francisco, Calif.
Habenicht & Howlett, Frank Howlett, partner, 529 Clay St., San Francisco, Calif.
Hires Turner Glass Co., S. C. Gilmore, Sec., 230 S. 30th St., Phila., Pa.
Intermountain Glass Co., H. M. Hawthorne, Mgr., 1417 Main St., Boise, Idaho.
Interstate Window Glass Co., J. S. Walker, sales Mgr., Chase St., Kane, Pa.
Lefebvre Glass Co., M. F., M. F. Lefebvre, Pres., North 2d St. & P. R. R., Millville, N. J.
Libbey Owens Sheet Glass Co., T. P. Geoghegan, Gen. sales Mgr., 1244 Nicholas Bldg., Toledo, Ohio.
Loriaux Glass Co., G. E. Klock, Sec., Fredonia, Kans.
Metz Mfg. Co., L. F. Metz, Sec., 17th & Elm Sts., Dubuque, Iowa.
Mississippi Wire Glass Co., E. H. Hobbie, illuminating Engr., 220 Fifth Ave., New York, N. Y.
National Mirror Works, J. R. Anderson, Sec., 1925 Kishwaukee St., Rockford, Ill.
National Plate Glass Co., H. J. Eckenrode, Pres., General Motors Bldg., Detroit, Mich.

Neuer, H., Glass Co., J. H. Mandeleil, Sec., 518 Reading Rd., Cincinnati, Ohio.
Nurre Mirror Plate Co., R. A. Hall, Sales Dept., N. Madison St., Bloomington, Ind.
Penn Window Glass Co., H. P. Barnes, Sec., Pennsboro, W. Va.
Pennsylvania Wire Glass Co., Frank L. Martin, Treas., 914 Pa. Bldg., Phila., Pa.
Pittsburgh Plate Glass Co., H. B. Higgins, Gen. sales Mgr., Frick Bldg., Pittsburgh, Pa.
Porter Mirror & Glass Co., C. B. Willard, Mem. firm, Fort Smith, Ark.
Pressed Prism Plate Glass Co., Myron A. Ross, Gen. Mgr., 25 N. Dearborn St., Chicago, Ill.
Red Spot Paint & Varnish Co., Harry B. Bausland, Treas., 110 Main St., Evansville, Ind.
Rolland Glass Co., Eugene Rolland, Pres., P. O. Box 600, Clarksburg, W. Va.
Schrenk & Co., Jul J. Gilran, Sec., 15th & Hudson Sts., Hoboken, N. J.
Sergeant Glass Co., C. Jungers, Gen. Mgr., Sergeant, Pa.
Solomon, L., & Son, A. Solomon, Pres., 199 Wooster St., New York, N. Y.
Southwestern Sheet Glass Co., H. O. Hunniwill, Pres., Box Z, Okmulgee, Okla.
Standard Plate Glass Co., Harold J. Stenglein, Asst. local Mgr., 520 S. Hamilton St., Saginaw, Mich.
Stott-Hecht Glass Works (Inc.), Edward M. Stott, Pres., 429 N. 6th St., Phila., Pa.
Tyre Bros. Glass Co. (Inc.), Louis Tyre, Sec., 3006 S. San Pedro St., Los Angeles, Calif.
United States Sheet & Window Glass Co., T. P. Geoghegan, Gen. sales Mgr., 1244 Nicholas Bldg., Toledo, Ohio.
Waxman, A. & Co., Mark Waxman, V. Pres., 422 N. 3rd St., Phila., Pa.
Western Glass Co., C. E. Ryon, Pres., 610 S. Vermillion St., Streator, Ill.
Wichita Falls Window Glass Co., G. D. Fox, Sec., Box 1035, Wichita Falls, Tex.
Wissmach, Paul, Glass Co. (Inc.), Eugene F. Stryker, Sec., Anable, Pearson & Meadow Sts., Long Island City, N. Y.

Spec. 124, HAND CHEMICAL FIRE EXTINGUISHER (ONE QUART CARBON TETRACHLORIDE TYPE)

American La France Fire Engine Co., Hugh Logan, Mgr., sundry sales, Marion & S. Jane Sts., Long Island City, N. Y.
Badger Fire Extinguisher Co., A. C. Badger, Pres., 31 St. James Ave., Boston, Mass.
Bethlehem Steel Corp., G. A. Hildenberger, buyer, purchasing Dept. No. 1, 3d & Poplar Sts., Bethlehem, Pa.
Buffalo Fire Appliance Corp., D. Meidel, sundry sales Mgr., 44 Central Ave., Buffalo, N. Y.
Castle, James M. (Inc.), C. B. Ford, Pres., 1718 Vine St., Phila., Pa.
Columbia Fire Extinguisher Co., G. H. Downing, Prop., 174 Centre St., New York, N. Y.
Cross, C. J., Mfg. Co., C. J. Cross, Pres., 149 Church St., New York, N. Y.
Fyr-Fyter Co., R. C. Iddings, Pres., 221 Crane St., Dayton, Ohio.
Harker Mfg. Co., W. E. Scallan, Gen. Mgr., 121 W. 3rd. St., Cincinnati, Ohio.
National Fire Protection Co., F. L. Boyd, Treas., 1617 Sansom St., Phila., Pa.
Niagara Smelting Corp., C. D. Muggleton, Gen. Mgr., Lewiston Rd., Niagara Falls, N. Y.
Pacific Fire Extinguisher Co., L. B. King, V. Pres., 440 Howard St., San Francisco, Calif.
Phister Mfg. Co., B. H. Phister, Pres., 901 Broadway, Cincinnati, Ohio.

Spec. 127a, 25 PER CENT RAG BLOTTING PAPER, WHITE AND COLORED.

(Now being revised.)

Spec. 128a, DESK BLOTTING PAPER, COLORED.

(Now being revised.)

Spec. 129a, CHART PAPER.

(Now being revised.)

Spec. 130a, MIMEOGRAPH PAPER.

(Now being revised.)

Spec. 131a, 50 PER CENT RAG MIMEOGRAPH PAPER.

(Now being revised.)

Spec. 132a, WOOD MANILA WRAPPING PAPER.

(Now being revised.)

Spec. 133a, ROPE MANILA WRAPPING PAPER.

(Now being revised.)

Spec. 137a, OLIVE DRAB PAINT (SEMIPASTE AND READY MIXED)

(Now being revised.)

Spec. 159, LIGHT WEIGHT DUCK (ARMY DUCK, GRAY)

Barrell Wm. L., Co. of New York (Inc.), Salbo M. Kahn, Sec., 40 Worth St., New York, N. Y.
Bennett, Fred S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Boott Mills, F. A. Flather, Treas., foot of John St., Lowell, Mass. (Parker-Wilder & Co., Wm. D. Judson, Mem. firm, sole selling agents, 78 Leonard St., New York, N. Y.
Carpenter, Geo. B., & Co., Thos. D. Lewis, Mgr. of cotton goods Dept., Chicago, Ill.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson St., Detroit, Mich.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Laacke, R., Co., R. Laacke, sales Mgr., 543 3d St., Milwaukee, Wis.
Mt. Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
Penfield, A. H., & Co. (Inc.), A. H. Penfield, Pres., 320 Broadway, New York, N. Y.
Roloson Mfg. Co., The, B. U. Dotson, V. Pres, 117 W. Water St., Lima, Ohio.
Standard Cotton Mills, Wm. Parker, jr., Pres., Cedartown, Ga.
Turner Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.
Wellington, Sears & Co., Chas. O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.
Wham Co. (Inc.), J. Knerbert, Ch. clerk, 266 State St., Brooklyn, N. Y.

Spec. 160, TENT DUCK (SPECIAL CONSTRUCTION FOR BLEACHING OR DYEING, GRAY)

Aragon Mills, J. C. Platt, Agt. & Supt., Aragon, Ga.
Barrell, Wm. L., Co., of New York (Inc.), Salbo M. Kahn, Sec., 40 Worth St., New York, N. Y.
Bennett, Fred. S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Boott Mills, F. A. Flather, Treas., foot of John St., Lowell, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. Firm, sole selling agents, 78 Leonard St., New York, N. Y.)
Carpenter, Geo. B., & Co., Thomas D. Lewis, Mgr. cotton goods Dept., 440 N. Wells St., Chicago, Ill.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson St., Detroit, Mich.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Laacke, R., Co., R. Laacke, sales Mgr., 543 3d St., Milwaukee, Wis.
Mt. Vernon Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
Penfield, A. H., & Co. (Inc.), A. H. Penfield, Pres., 320 Broadway, New York, N. Y.
Roloson Mfg. Co., The, B. U. Dotson, V. Pres., 117 W. Water St., Lima, Ohio.
Saint Joseph Tent & Awning Co., W. H. Laubach, Pres., 204 N. 4th St., St. Joseph, Mo.
Turner Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.
Wellington, Sears & Co., Chas. O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.

Spec. 162a, WELDED STEEL PIPE (BLACK & GALVANIZED)

Allentown Boiler Works, Francis A. Collum, V. Pres., 328 Walnut St., Allentown, Pa.
Chicago Tube & Iron Co., G. S. Nathans, Sec., 2531 W. 48th St., Chicago, Ill.
Clayton Mark & Co., Clayton Mark, jr., Sec., 111 W. Washington St., Chicago, Ill.
Columbia Steel & Tube Corp., L. B. Boray, Treas., 233 Broadway, New York, N. Y.
Devine, J. P., Mfg. Co. (Inc.), Charles P. Devine, V. Pres., 1372 Clinton St., Buffalo, N. Y.
Electric Welding Co. of America, A. W. Schenker, V. Pres., foot of Court St., Brooklyn, N. Y.
Keating, E. F., Co., E. F. Keating, Pres., 452 Water St., New York, N. Y.
Montague Pipe & Steel Co., E. H. Fisher, Pres., 1900 3d St., San Francisco, Calif.
Nelson, N. O., Mfg. Co., W. H. Baker, Sec., 928 Chestnut St., St. Louis, Mo.
Schluter, C. J. (Inc.), Chas. J. Schluter, Pres., 192 Banker St., Brooklyn, N. Y.
Tippett & Wood, R. W. Becker, Pres., Phillipsburgh, N. J.

Spec. 163, RECORD AND COPYING INK

Abbey, R. A., Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.
Allen Co., J. H. Maplen, Sec., 11 Vandewater St., New York, N. Y.
American Manifold Products Corp., A. M. Oppenheimer, Sec., 2900 Darwin Terrace, Chicago, Ill.
American Mfg. Co., Charles Hock, Mgr., 465 Jackson Ave., Bronx, New York, N. Y.
Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 First St., Cambridge, Mass.
Davids, Thaddeus, Ink Co. (Inc.), W. J. Walsh, sales Mgr., 95 Vandam St., New York, N. Y.
Diamond Ink Co., Robert R. Ritz, Pres., 817 34th St., Milwaukee, Wis.
General Eclipse Co., Luther Piling, Treas., Furnace St., Danielson, Conn.
Kirk Ink Co., Benj. H. Kirk, Treas., 2316 W. Harrison St., Chicago, Ill.
Levison & Blythe Mfg. Co., F. W. Palmer, Pres., 209 Locust St., St. Louis, Mo.
Liberty Ink Co., J. Robt. Weissman, Mem. firm, 105 Scholes St., Brooklyn, N. Y.
Luther Ink & Stamp Pad Co., Henry J. Luther, Pres., 55 E. Park St., Newark, N. J.
Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Penn Yan, N. Y.
Parker Pen Co., Kenneth Parker, Asst. Treas., Court & Division Sts., Janesville, Wis.
Powers National Ink Co., J. H. Johns, Mgr., 2112 Stout St., Denver, Colo.

Scriptex Ink & Paste Co., Geo. B. Bush, Pres., 519 S. 2d St., Phila., Pa.

Sinclair & Valentine Co., Walter R. Shepherd, Treas., 11 St. Clair Place, New York, N. Y.

Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St.. New York, N. Y.

Stenno Ribbon & Carbon Mfg. Co., George L. Koehn, Pres., 31st St. & Sandy Blvd., Portland, Oreg.

Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.

Weil, J. H., & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 164, WRITING INK

Abbey, R. A., Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.

American Crayon Co., George E. Parmenter, 1st V. Pres., 130 W. 42nd St., New York, N. Y.; also Sandusky, Ohio.

American Mfg. Co., Charles Hoek, Mgr., 465 Jackson Ave., New York, N. Y.

Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.

Davids, Thaddeus, Ink Co. (Inc.), W. J. Walsh, sales Mgr., 95 Vandam St., New York, N. Y.

Davis, William A., Co., Kenneth S. Stevenson, Sec., 50 Beaumont St., Canton, Mass.

Diamond Ink Co., Robt. R. Ritz, Pres., 817 34th St., Milwaukee, Wis.

Edison Pen Co., R. L. Arnold, Sec., Washington St., Petersburg, Va.

Garvey Fountain Brush & Ink Co., Edward S. Garvey, Pres., 1617 N. 7th St., St. Louis, Mo.

General Eclipse Co., Luther Piling, Treas., Furnace St., Danielson, Conn.

Howard Chemical & Mfg. Co. (Inc.), L. B. Bortnick, Pres., 2104 Fourth Ave., S., Minneapolis, Minn.

Kirk Ink Co., Benj. H. Kirk, Treas., 2316 W. Harrison St., Chicago, Ill.

Levison & Blythe Mfg. Co., F. W. Palmer, Pres., 209 Locust St., St. Louis, Mo.

Liberty Ink Co., J. Robt. Weissman, Mem. firm, 105 Scholes St., Brooklyn, N. Y.

Luther Ink & Stamp Pad Co., Henry J. Luther, Pres., 55 E. Park St., Newark, N. J.

Parker Pen Co., Kenneth Parker, Asst. Treas., Court & Division Sts., Janesville, Wis.

Powers National Ink Co. (Inc.), J. H. Johns, Mgr., 2112 Stout St., Denver, Colo.

Riverside Chemical Co. (Inc.), George R. Rasch, V. Pres., 1188 Oliver St., North Tonawanda, N. Y.

Scriptex Ink & Paste Co., Geo. B. Bush, Pres., 519 S. 2d St., Phila., Pa.

Smith, Fritz, Mfg. Co., J. Wilson, Sec., 923 N. 6th St., St. Louis, Mo.

Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.

Sterling Ink Co. (Inc.), P. T. Lewis, V. Pres., 1201 S. 3d St., Minneapolis, Minn.

Underwood, John, & Co., H. G. Telle, Mgr., 62 Park Place, New York, N. Y.

Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.

Weil, J. H. & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 165, RED INK

Abbey, R. A. Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.

American Manifold Products Corp., A. M. Oppenheimer, Sec., 2900 Darwin Terrace, Chicago, Ill.

American Mfg. Co., Charles Hoek, Mgr., 465 Jackson Ave., New York, N. Y.

Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.

Davids, Thaddeus, Ink Co. (Inc.), W. J. Walsh, sales Mgr., 95 Vandam St., New York, N. Y.

Davis, William A. Co., Kenneth S. Stevenson, Sec., 50 Beaumont St., Canton, Mass.

Diamond Ink Co., Robert R. Ritz. Pres., 817 34th St., Milwaukee, Wis.

Edison Pen Co., R. L. Arnold, Sec., Washington St., Petersburg, Va.

Garvey Fountain Brush & Ink Co., Edward S. Garvey, Pres., 1617 N. 7th St., St. Louis, Mo.

General Eclipse Co., Luther Piling, Treas., Furnace St., Danielson, Conn.

Higgins, Chas. M., & Co., Tracy Higgins, Gen. Mgr., 271 Ninth St., Brooklyn, N. Y.

Howard Chemical & Mfg. Co. (Inc.), L. B. Bortnick, Pres., 2104 4th Ave. S., Minneapolis, Minn.

Kirk Ink Co., Benj. H. Kirk, Treas., 2316 W. Harrison St., Chicago, Ill.

Levison & Blythe Mfg. Co., F. W. Palmer, Pres., 209 Locust St., St. Louis, Mo.

Liberty Ink Co., J. Robt. Weissman, Mem. firm, 105 Scholes St., Brooklyn, N. Y.

Luther Ink & Stamp Pad Co., Henry J. Luther, Pres., 55 E. Park St., Newark, N. J.

Parker Pen Co., Kenneth Parker, Asst. Treas., Court & Division Sts., Janesville, Wis.

Powers National Ink Co. (Inc.), J. H. Johns, Mgr., 2112 Stout St., Denver, Colo.

Riverside Chemical Co. (Inc.), George A. Rasch, V. Pres., 1188 Oliver St., North Tonawanda, N. Y.

Scriptex Ink & Paste Co., Geo. B. Bush, Pres., 519 S. 2d St., Phila., Pa.

Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.

Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.

Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.

Waterman, L. E., Co., Frank D. Waterman, jr., Treas., 191 Broadway, New York, N. Y.

Weil, J. H. & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 166, STAMP-PAD INK

Abbey, R. A., Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.

American Mfg. Co., Charles Hoek, Mgr., 465 Jackson Ave., New York, N. Y.

Botts Mfg. Co., Alexander Botts, Prop., 72 3d St., Brooklyn, N. Y.

Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.

Davids, Thaddeus, Ink Co. (Inc.), W. J. Walsh, sales Mgr., 95 Vandam St., New York, N. Y.

Diamond Ink Co., Robert R. Ritz, Pres., 817 34th St., Milwaukee, Wis.

Garvey Fountain Brush & Ink Co., Edward S. Garvey, Pres., 1617 N. 7th St., St. Louis, Mo.
Kirk Ink Co., Benj. H. Kirk, Treas., 2316 W. Harrison St., Chicago, Ill.
Levison & Blythe Mfg. Co., F. W. Palmer, Pres., 209 Locust St., St. Louis, Mo.
Liberty Ink Co., J. Robt. Weissman, Mem. firm, 105 Scholes St., Brooklyn, N. Y.
Luther Ink & Stamp Pad Co., Henry J. Luther, Pres., 55 E. Park St., Newark, N. J.
Northwest Chemical & School Supply Co., F. A. Bronson, V. Pres., 728 E. Sprague Ave., Spokane, Wash.
Powers National Ink Co. (Inc.), J. H. Johns, Mgr., 2112 Stout St., Denver, Colo.
Sinclair & Valentine Co., Walter R. Shepherd, Treas., 11 St. Clair Place, New York, N. Y.
Smith, R. H., Mfg. Co., Frank A. Wakefield, Sec., 367 Worthington St., Springfield, Mass.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Standard Printing Ink Co., Adolph Pryer, Pres., 1638 Providence St., Cincinnati, Ohio.
Stenno Ribbon & Carbon Mfg. Co., George L. Koehn, Pres., 31st & Sandy Blvd., Portland, Oreg.
Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.
Union Ribbon & Carbon Co., Arthur E. Moorshead, Treas., 67 Laurel St., Phila., Pa.
Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.

Spec. 167a, TYPEWRITER RIBBONS

American Manifold Products Corp., M. Oppenheimer, Sec., 2900 Darwin Terrace, Chicago, Ill.
American Mfg. Co., Charles Hock, Mgr., 465 Jackson Ave., New York, N. Y.
American Multigraph Co., R. G. A. Phillips, V. Pres., E. 40th & Kelley Ave., Cleveland, Ohio.
Apter, M. S., Mfg. Co., M. S. Apter, owner, 552 W. Harrison St., Chicago, Ill.
Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.
Codo Mfg. Corp., F. S. Cooper, Pres., 1220 Second Ave., Coraopolis, Pa.
Columbia Ribbon & Carbon Mfg. Co. (Inc.), H. M. Traevern, order Dept. Mgr., 69 Wooster St., New York, N. Y.
Consolidated Ribbon & Carbon Co., M. Oppenheimer, Sec., 63 E. Adams St., Chicago, Ill.
Crown Ribbon & Carbon Mfg. Co., A. W. Olmsted, Treas., 782 St. Paul St., Rochester, N. Y.
Duplico Mfg. Co., Chas. E. Archbald, Pres., 65 Mine St., New Brunswick, N. J.
Foyer, Chas. A., & Co., G. J. Foyer, Mgr., 1104 Prospect Ave., Cleveland, Ohio.
Frankel Carbon & Ribbon Mfg. Co., Henry G. Frankel, owner, 2150 Arapahoe St., Denver, Colo.
Hess Hawkins Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.
Hindle, T. H., Co., T. H. Hindle, Mgr., 116 Duane St., New York, N. Y.
Iron Clad Ribbon & Carbon Co., George L. Norris, Treas., 150 Greene St., New York, N. Y.
Kee Lox Mfg. Co., Charles K. Heelebush, Sec., 10 Kee Lox Place, Rochester, N. Y.
Little, A. P. (Inc.), A. E. Steele, Sec., 100 S. Fitshugh St., Rochester, N. Y.
Miller-Bryant-Pierce Co., E. R. Koehm, V. Pres., 189 South River St., Aurora, Ill.
Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Penn Yan, N. Y.
Mittag Volger (Inc.), A. H. Barkerding, V. Pres., Park Ridge, N. J.
Old Town Ribbon & Carbon Co. (Inc.), Adolph Rose, V. Pres., 176 Johnson St., Brooklyn, N. Y.
Phillips Ribbon & Carbon Co. (Inc.), Leland A. Phillips, Pres., 61 Halstead St., Rochester, N. Y.
Queen Ribbon & Carbon Co., Henry Ring, Mem. firm, 109 Reade St., New York, N. Y.
Remington Rand Business Service (Inc.), C. P. Franchot, V. Pres., 1106 G. St., NW., Washington, D. C.
Snelling & Son, William H. Snelling, 225 34th St., Brooklyn, N. Y.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Stenno Ribbon & Carbon Mfg. Co., George L. Koehn, Pres., 31st & Sandy Blvd., Portland, Oreg.
Storms, H. M. Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.
Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.
Union Ribbon & Carbon Co., Arthur E. Moorshead, Treas., 67 Laurel St., Phila., Pa.
Vacuo Static Carbon Co., H. H. Miller, Pres., 77 St. Paul St., Rochester, N. Y.
Webster, F. S., Co. (Inc.), Chas. P. Garrin, Gen. sales Mgr., 332 Congress St., Boston, Mass.
Western Carbon Paper Mfg. Co., C. K. Bland, Pres., 800 E. 16th St., Los Angeles, Calif.
Write (Inc.), William C. Glover, V. Pres., 420 Lexington Ave., New York, N. Y.

Spec. 168a, HECTOGRAPH RIBBONS

Allen Co., F. H. Mahler, Sec., 11 Vandewater St., New York, N. Y.
American Manifold Products Corp., M. Oppenheimer, Sec., 2900 Darwin Terrace, Chicago, Ill.
American Mfg. Co., Charles Hock, Mgr., 465 Jackson Ave., New York, N. Y.
Apter, M. S., Mfg. Co., M. S. Apter, owner, 552 W. Harrison St., Chicago, Ill.
Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.
Codo Mfg. Corp., F. S. Cooper, Pres., 1220 Second Ave., Coraopolis, Pa.
Columbia Ribbon & Carbon Mfg. Co. (Inc.), H. M. Travern, order Dept. Mgr., 69 Wooster St., New York, N. Y.
Consolidated Ribbon & Carbon Co., M. Oppenheimer, Sec., 63 E. Adams St., Chicago, Ill.
Crown Ribbon & Carbon Mfg. Co., A. W. Olmsted, Treas., 782 St. Paul St., Rochester, N. Y.
Ditto (Inc.), K. N. Henderson, V. Pres., Harrison at Oakley Blvd., Chicago, Ill.
Duplico Mfg. Co., Chas. E. Archbald, Pres., 65 Mine St., New Brunswick, N. J.
Foyer, Chas. A., & Co., G. J. Foyer, Mgr., 1104 Prospect Ave., Cleveland, Ohio.
Frankel Carbon & Ribbon Mfg. Co., Henry G. Frankel, owner, 2150 Arapahoe St., Denver, Colo.
Hess-Hawkins Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.

Iron Clad Ribbon & Carbon Co., G. L. Norris, Treas., 150 Greene St., New York, N. Y.

Kee Lox Mfg. Co., Charles K. Heelebush, Sec., 10 Kee Lox Place, Rochester, N. Y.

Little, A. P. (Inc.), A. E. Steele, Sec., 100 S. Fitzhugh St., Rochester, N. Y.

Miller-Bryant-Pierce Co., E. R. Koehn, V. Pres., 189 S. River St., Aurora, Ill.

Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Penn Yan, N. Y.

Mittag Volger (Inc.), A. W. Barkerding, V. Pres., Park Ridge, N. J.

Old Town Ribbon & Carbon Co. (Inc.), Adolphe Rose, V. Pres., 176 Johnson St., Brooklyn, N. Y.

Phillips Ribbon & Carbon Co. (Inc.), Leland A. Phillips, Pres., 61 Halstead St., Rochester, N. Y.

Queen Ribbon & Carbon Co., Henry C. King, Mem. firm, 109 Reade St., New York, N. Y.

Remington Rand Business Service (Inc.), C. P. Franchot, V. Pres., 1106 G St. NW., Washington, D. C.

Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.

Stenno Ribbon & Carbon Mfg. Co., George L. Koehn, Pres., 31 St. & Sandy Blvd., Portland, Oreg.

Storms, H. M. Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.

Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.

Vacuo Static Carbon Co., H. H. Miller, Pres., 77 St. Paul St., Rochester, N. Y.

Webster, F. S., Co. (Inc.), Chas. P. Garrin, Gen. sales Mgr., 332 Congress St., Boston, Mass.

Western Carbon Paper Mfg. Co., C. K. Bland, Pres., 800 E. 16th St., Los Angeles, Calif.

Write (Inc.), William C. Glover, V. Pres., 420 Lexington Ave., New York, N. Y.

Spec. 169a, COMPUTING & RECORDING MACHINE RIBBONS

Allen Co., F. H. Mahler, Sec., 11 Vandewater St., New York, N. Y.

American Manifold Products Corp., M. Oppenheimer, Sec., 2900 Darwin Terrace, Chicago, Ill.

Apter, M. S., Mfg. Co., M. S. Apter, owner, 552 W. Harrison St., Chicago, Ill.

Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 1st St., Cambridge, Mass.

Columbia Ribbon & Carbon Mfg. Co. (Inc.), H. M. Traevern, order Dept. Mgr., 69 Wooster St., New York, N. Y.

Consolidated Ribbon & Carbon Co., M. Oppenheimer, Sec., 63 E. Adams St., Chicago, Ill.

Duplico Mfg. Co., Chas. E. Archbald, Pres., 65 Mine St., New Brunswick, N. J.

Foyer, Chas. A., & Co., G. J. Foyer, Mgr., 1104 Prospect Ave., Cleveland, Ohio.

Hess Hawkins Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.

Iron Clad Ribbon & Carbon Co., G. L. Norris, Treas., 150 Greene St., New York, N. Y.

Kee Lox Mfg. Co., Charles K. Heelebush, Sec., 10 Kee Lox Place, Rochester, N. Y.

Little, A. P. (Inc.), A. E. Steele, Sec., 100 S. Fitzhugh St., Rochester, N. Y.

Miller-Bryant-Pierce Co., E. R. Koehn, V. Pres., 189 S. River St., Aurora, Ill.

Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Penn Yan, N. Y.

Mittag & Volger (Inc.), A. H. Barkerding, V. Pres., & Gen. Mgr., Park Ridge, N. J.

Old Town Ribbon & Carbon Co. (Inc.), Adolph Rose, V. Pres., 176 Johnson St., Brooklyn, N. Y.

Phillips Ribbon & Carbon Co. (Inc.), Leland A. Phillips, Pres., 61 Halstead St., Rochester, N. Y.

Queen Ribbon & Carbon Co., Henry Ring, Mem. firm, 109 Reade St., New York, N. Y.

Remington Rand Business Service (Inc.), C. P. Franchot, V. Pres., 1106 G St., NW., Washington, D. C.

Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.

Stenno Ribbon & Carbon Mfg. Co., George L. Koehn, Pres., 31st & Sandy Blvd., Portland, Oreg.

Storms, H. M., Co., Bertrand Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.

Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.

Union Ribbon & Carbon Co., Arthur E. Moorshead, Treas., 67 Laurel St., Phila., Pa.

Vacuo Static Carbon Co., H. H. Miller, Pres., 77 St. Paul St., Rochester, N. Y.

Webster, F. S., Co. (Inc.), Chas. P. Garrin, Gen. sales Mgr., 332 Congress St., Boston, Mass.

Western Carbon Paper Mfg. Co., C. K. Bland, Pres., 800 E. 16th St., Los Angeles, Calif.

Write (Inc.), William C. Glover, V. Pres., 420 Lexington Ave., New York, N. Y.

Spec. 175, KNIFE SWITCHES

A. G. Mfg. Co., C. W. Hepler, Asst. to Mgr., 303 W. Hudson St., Seattle, Wash.

Barber Electric Mfg. Co., H. C. Barber, Pres., 30 Chestnut St., N. Attleboro, Mass.

Barkelew Electric Mfg. Co., C. W. Denny, Pres., 1208 Reynolds Ave., Middletown, Ohio.

Brown & Pengilly, C. H. Talmage, sales Mgr., 2114 E. 9th St., Los Angeles, Calif.

Bryant Electric Co., H. P. Harris, sales service Mgr., 1421 State St., Bridgeport, Conn.

Butte Electric & Mfg. Co., Paul C. Butte, owner, 956 Folsom St., San Francisco, Calif.

Commonwealth Electric Co., J. M. Whalen, Pres., 417 Broadway, St. Paul, Minn.

Connecticut Electric Mfg. Co., A. M. Birks, Asst. sales Mgr., Conn. & Florence Aves., Bridgeport, Conn.

Drendell Electric & Mfg. Co., L. Siebert, V. Pres., 1760 Howard St., San Francisco, Calif.

Electric Panelboard Co., Chester T. Macdonald, Sec., 426 Exchange St., Rochester, N. Y.

Electrical Mfg. Co., F. T. Kovar, Pres., 4149 E. 79th St., Cleveland, Ohio.

General Electric Co., D. W. Niven, Mgr. Federal & marine Dept., 1 River Rd., Schenectady, N. Y.

Graybar Electric Co., W. H. Leathers, Mgr. Gov. Dept., 100 E. 42nd St., New York, N. Y.

Heinemann Electric Co., Bernard Berlin, Pres., 1730 N. 5th St., Phila., Pa.

Laganke Electric Co., W. E. Laganke, Prop. 2400 Woodland Ave., Cleveland, Ohio.

Leonard Electric Mfg. Co., S. M. Keir, Engr., 3907 Perkins Ave., Cleveland, Ohio.

Lexington Electric Products Co. (Inc.), Irving V. Cole, Gen. Mgr., 419 E. 24th St., New York, N. Y.
Majestic Electric Mfg. Co., J. Smurcina, V. Pres., 806 N. 12th St., St. Louis Mo.
Mendell Electric Mfg. Co. (Inc.), Charles W. Smith, Engr., Main & Depot Sts., Mattapoisett, Mass.
Mutual Electric & Machine Co., Leon H. Frank, V. Pres., 7610 Joseph Campau Ave., Detroit, Mich.
Oliver Electric & Mfg. Co., J. A. Amos, V. Pres., 4221 Forest Park Blvd., St. Louis, Mo.
Thoner & Martens, Rudolph M. Martens, partner, 463 Commercial St., Boston, Mass.
Trumbull Electric Mfg. Co., S. S. Gwillim, Sec., Woodford Ave., Plainville, Conn.
Trumbull-Vanderpoel Electric Mfg. Co., Ralph K. Mann, Pres., Bantam, Conn.
Walker Switchboard Co., J. F. Sechler, sales Mgr., 1020 W. Susquehanna Ave., Phila., Pa.
Westinghouse Electric & Mfg. Co., T. D. Halliwell, Mgr., wiring devices sec., East Pittsburgh, Pa.

Spec. 177a, KRAFT WRAPPING PAPER

(Now being revised.)

Spec. 178a, SULPHITE MANILA WRAPPING PAPER

(Now being revised.)

Spec. 179, NO. 1 GRADE BLUE-PRINT PAPER (SENSITIZED AND UNSENSITIZED)

American Writing Paper Co. (Inc.), W. J. Norton, Asst. Sec., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass. (Unsensitized only.)
Bruning, Charles, Co. (Inc.), Charles Bruning, Pres., 102 Reade St., New York, N. Y.
Cole, H., Co., R. E. Cole, Pres., 24 N. High St., Columbus, Ohio.
Dietzgen, Eugene, Co. (Inc.), G. C. Allen, Asst. Mgr., 218 E. 23d St., New York, N. Y.
Electro Sun Co. (Inc.), Ralph Bloomfield, V. Pres., 161 Washington St., New York, N. Y.
Elliott, B. K., Co., W. C. Fisher, Sec., 126 6th St., Pittsburgh, Pa.
Hawthorne Paper Co., G. W. Guplicide, Pres., Lincoln Ave., Kalamazoo, Mich. (Unsensitized only.)
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Huey Co., A. H. Huey, Sec., 19 S. Wabash Ave., Chicago, Ill.
Indianapolis Blue Print & Supply Co., L. B. Winn, Pres., 151 E. Maryland St., Indianapolis, Ind.
Keuffel & Esser Co., Carl M. Bernegau, V. Pres., 3d and Adams Sts., Hoboken, N. J.
Kolesch & Co., Theo. R. Baron, Asst. Treas., 138 Fulton St., New York, N. Y.
New England Blue Print Paper Co., H. O. Popham, Treas., 29 Worthington St., Springfield, Mass.
Pease, C. F., Co., Oscar O. Mertz, Sec., 813 N. Franklin St., Chicago, Ill.
Seattle Blue Print Co., B. C. Graham, Mgr., Railway Exchange Bldg., Seattle, Wash.
Southworth Co., Mehron D. Southworth, Treas., Mittineague, Mass.
Spaulding Moss Co., Philip B. Terry, V. Pres., 42 Franklin St., Boston, Mass.
Strathmore Paper Co., B. A. Jeanllen, V. Pres., Mittineague, Mass.
United States Blue Print Paper Co., Arthur Beiser, Pres., 207 S. Wabash Ave., Chicago, Ill.
Weil, J. H., & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 180, NO. 2 GRADE BLUE-PRINT PAPER (SENSITIZED AND UNSENSITIZED)

American Writing Paper Co. (Inc.), W. J. Norton, Asst. Sec., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass. (Unsensitized only.)
Bruning, Charles, Co. (Inc.), Charles Bruning, Pres., 102 Reade St., New York, N. Y.
Dietzgen, Eugene, Co. (Inc.), G. C. Allen, Asst. Mgr., 218 E. 23d St., New York, N. Y.
Electro Sun Co. (Inc.), Ralph Bloomfield, V. Pres., 161 Washington St., New York, N. Y.
Elliott, B. K., Co., W. C. Fisher, Sec., 126 6th St., Pittsburgh, Pa.
Hawthorne Paper Co., G. H. Guplicide, Pres., Lincoln Ave., Kalamazoo, Mich. (Unsensitized only.)
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Huey Co., A. H. Huey, Sec., 19 S. Wabash Ave., Chicago, Ill.
Indianapolis Blue Print & Supply Co., L. G. Winn, Pres., 151 E. Maryland St., Indianapolis, Ind.
Keuffel & Esser Co., Carl M. Bernegau, V. Pres., 3d & Adams Sts., Hoboken, N. J.
Kolesch & Co., Theo. R. Baron, Asst. Treas., 138 Fulton St., New York, N. Y.
New England Blue Print Paper Co., H. O. Popham, Treas., 29 Worthington St., Springfield, Mass.
Pease, C. F., Co., Oscar O. Mertz, Sec., 813 N. Franklin St., Chicago, Ill.
Seattle Blueprint Co., Ben C. Graham, Mgr., Railway Exchange Bldg., Seattle, Wash.
Southworth Co., Mehron D. Southworth, Treas., Mittineague, Mass.
Spaulding Moss Co., Philip B. Terry, V. Pres., 42 Franklin St., Boston, Mass.
Strathmore Paper Co., B. A. Jeanllen, V. Pres., Mittineague, Mass. (Unsensitized only.)
Technical Supply Co., Edward A May, sales Mgr., Ash St., Scranton, Pa.
United States Blue Print Paper Co., Arthur Beiser, Pres., 207 S. Wabash Ave., Chicago, Ill.
Weil, J. H., & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 181, NO. 3 GRADE BLUE-PRINT PAPER (SENSITIZED AND UNSENSITIZED)

American Writing Paper Co. (Inc.), W. J. Norton, Asst. Sec., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass. (Unsensitized only.)
Bruning, Charles Co. (Inc.), Charles Bruning, Pres., 102 Reade Sts., New York, N. Y.
Defiance Sales Corporation, William F. Allen, Sec., 26 E. 42nd St., New York, N. Y.
Dietzgen, Eugene Co. (Inc.), G. C. Allen, Asst. Mgr., 218 E. 23d St., New York, N. Y.
Electro Sun Co. (Inc.), Ralph Bloomfield, V. Pres., 161 Washington St., New York, N. Y.
Elliott, B. K., Co., W. C. Fisher, Sec., 126 6th St., Pittsburgh, Pa.
Hawthorne Paper Co., G. H. Guplicide, Pres., Lincoln Ave., Kalamazoo, Mich. (Unsensitized only.)
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Huey Co., A. H. Huey, Sec., 19 S. Wabash Ave., Chicago, Ill.
Indianapolis Blue Print & Supply Co., L. G. Winn, Pres., 151 E. Maryland St., Indianapolis, Ind.
Keuffel & Esser Co., Carl M. Bernegau, V. Pres., 3d & Adams Sts., Hoboken, N. J.
Kolesch & Co., Theo. R. Baron, Asst. Treas., 138 Fulton St., New York, N. Y.
New England Blue Print Paper Co., H. O. Popham, Treas., 29 Worthington St., Springfield, Mass.
Pease, C. F., Co., Oscar O. Mertz, Sec., 813 N. Franklin St., Chicago, Ill.
Seattle Blueprint Co., Ben C. Graham, Mgr., Railway Exchange Bldg., Seattle, Wash.
Southworth Co., Mehron D. Southworth, Treas., Mittineague, Mass.
Spaulding Moss Co., Philip B. Terry, V. Pres., 42 Franklin St., Boston, Mass.
Strathmore Paper Co., B. A. Jeanllen, V. Pres., Mittineague, Mass. (Unsensitized only.)
Technical Supply Co., Edward A. May, sales Mgr., Ash St., Scranton, Pa.
United States Blue Print Paper Co., Arthur Beiser, Pres., 207 S. Wabash Ave., Chicago, Ill.
Weil, J. H., & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 182a, PAPER, BROWN PROCESS (SENSITIZED AND UNSENSITIZED)

American Writing Paper Co. (Inc.), W. J. Norton, Asst. Sec., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. W. Daniels, Treas., Commercial & Center Sts., Adams, Mass. (Unsensitized only.)
Bruning, Chas., Co. (Inc.), Chas. Bruning, Pres., 102 Reade St., New York, N. Y.
Dietzgen, Eugene Co. (Inc.), G. C. Allen, Asst. Mgr., 218 E. 23d St., New York, N. Y.
Electro Sun Co. (Inc.), R. Bloomfield, V. Pres., 161 Washington St., New York, N. Y.
Elliott, B. K., Co., W. C. Fisher, Sec., 126 6th St., Pittsburgh, Pa.
Huey Co., A. H. Huey, Sec., 19 S. Wabash Ave., Chicago, Ill.
Indianapolis Blue Print & Supply Co., L. G. Winn, Pres., 151 E. Maryland St., Indianapolis, Ind.
Keuffel & Esser Co., C. M. Bernegau, V. Pres., 3d & Adams Sts., Hoboken, N. J.
Kolesch & Co., Theo. R. Baron, Asst. Treas., 138 Fulton St., New York, N. Y.
Pease, C. F., Co., O. O. Mertz, Sec., 813 N. Franklin St., Chicago, Ill.
Polygraphic Co. of America (Inc.), D. H. Werhlou, Sec., 237 Lafayette St., New York, N. Y.
Seattle Blueprint Co., B. C. Graham, Mgr., Railway Exchange Bldg., Seattle, Wash.
Southworth Co., M. D. Southworth, Treas., Mittineague, Mass.
Spaulding Moss Co., Philip B. Terry, V. Pres., 42 Franklin St., Boston, Mass.
Weil, J. H., & Co., Walter A. Kohn, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 183, UPHOLSTERY LEATHER (VEGETABLE TANNED)

American Oak Leather Co., E. L. Neilson, 1st V. Pres., Kenner St., McLean & Dalton Aves., Cincinnati, Ohio.
Cleveland Tanning Co., F. R. Wilhelmy, sales Mgr., Dennison Ave. & Jennings Rd., Cleveland, Ohio.
Conneaut Leather Co., Chas. T. Whitney, Pres., W. Adams St., Conneaut, Ohio.
Eagle-Ottawa Leather Co., Wm. Halton, Pres., Grand Haven, Mich.
Hudson Belting Co., R. N. Blakeslee, jr., Treas., 79 Beacon St., Worcester, Mass.
Johnson Belting Co., Mortimer Kaufman, Sec., 423 E. 56th St., New York, N. Y.
Lackawanna Leather Co., R. C. Good, Pres., 700 Grand Ave., Hackettstown, N. J.
National Leather Belting Co., N. Freid, Pres., 423 E. 56th St., New York, N. Y.
Radel Leather Mfg. Co., Frank J. Radel, Pres., 445 Wilson Ave., Newark, N. J.
Reilly, John, Co., T. S. Miller, Pres., Ave. C, Murray & Aster Sts., Newark, N. J.

Spec. 184, LACE LEATHER

American Lace Leather Co. (Inc.), H. J. Myers, jr., Pres., Box 121, foot of Perry St., South Richmond, Va.
Baltimore Belting Co., C. Albert Haugh, V. Pres., 25 S. Gay St., Balto., Md.
Caldwell Lace Leather Co., W. C. Howlett, Mgr. selling Dept., Main St., Auburn, Ky.
California Tanning Co., George E. Beckmann, V. Pres., 1905 Shenandoah Ave., St. Louis, Mo.
Chicago Rawhide Mfg. Co., Stuart E. Ullman, Treas., 1301 Elston Ave., Chicago, Ill.
Cook, H. N., Belting Co., Milton H. Cook, Pres., 401 Howard St., San Francisco, Calif.
Couse & Bolten (Inc.), Samuel J. Dannhirsd, Pres., 42 Lafayette St., Newark, N. J.
Druid Oak Belting Co. (Inc.), H. C. Staley, V. Pres., 111 E. Lombard St., Balto., Md.
Hudson Belting Co., Robert N. Blakeslee, jr., Treas., 79 Beacon St., Worcester, Mass.
Johnson Belting Co., Mortimer Kaufman, Sec., 423 E. 56th St., New York, N. Y.
National Leather Belting Co., Nathan Freid, Pres., 423 E. 56th St., New York, N. Y.
Norwich Belt Mfg. Co. (Inc.), W. H. Gallups, Asst. to Pres., Norwich, Conn.

Palmer, N., Belting Co., Raymond Hargraves, Sec., 571 Iranistan Ave., Bridgeport, Conn.
Philadelphia Belting Co., H. Perpall, Mem. firm, 6th & Spring Garden Sts., Phila., Pa.
Rhoads, J. E., & Sons, J. Edgar Rhoads, Mem. firm, 35 N. 6th St., Phila., Pa.
Schieren, Chas. A., Co., Roy C. Moore, Sec., 30 Ferry St., New York, N. Y.
Scholze, Robert, Tannery, Robert Scholze, Chattanooga, Tenn.
West Coast Tanning Co., A. A. Cherveny, Pres., 892 Tonino Ave., Portland, Oreg.

Spec. 191, BRUSH, BLACKING AND DAUBER

Auburn Brush Co. (Inc.), LeRoy B. Breneman, sales Mgr., Market St. at Alley 1, Columbia, Pa.
Bentzinger Bros., Ralph Bentzinger, sr., owner, 2 S. Main St., St. Louis, Mo.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Costello, J. S., & Son Brush Co., F. C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Felton United Brush Co., R. H. Daniels, Gen. Mgr., Buckingham St., Toledo, Ohio.
Gordon Brushes, Francis H. Gordon, Treas., 4 N. 15th St., Harrisburg, Pa.
Herbert, John F., & Sons (Inc.), Jos. F. Hartmann, Gen. Mgr., 107 Greenkill Ave., Kingston, N. Y.
Hoosick Falls Brush Co. (Inc.), Sylvester E. Scott, Treas., Hoosick Falls, N. Y.
India Brush & Mat Co., W. B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
International Brush Co. (Inc.), E. W. Patrick, Treas., 491 6th Ave., Troy, N. Y.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Michigan Ave., Detroit, Mich.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 784 30th St., Milwaukee, Wis.
Mohawk Brush Co., Sol Levi, Treas., 1015 Broadway, Albany, N. Y.
National Brush Co., C. O. Porter, Treas., Illinois Ave., Aurora, Ill.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
Warner, W. E., Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 192, BRUSH, CASTING

Felton, S. A., & Son Co., J. B. Felton, Asst. Treas., W. Brook St., Manchester, N. H.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Manufacturers Brush Co., R. M. Manning, Sec., 1950 W. 114th St., Cleveland, Ohio.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
National Brush Co., C. O. Porter, Treas., Illinois Ave., Aurora, Ill.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Osborn Mfg. Co., C. W. Titgemeyer, sales Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Peerless Mfg. Co., R. C. Jenkins, Mgr., New Durham, N. H.
Ridgely Trimmer Co., C. K. Hullinger, Treas., Kenton St., Springfield, Ohio.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Worcester Brush & Scraper Co., Edgar E. Sampson, Treas., 456 Park Ave., Worcester, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 193, BRUSH, CLOTHES, SCRUBBING

Ames Brush Co., W. W. Conklin, Treas., 3800 Detroit Ave., Toledo, Ohio.
Auburn Brush Co. (Inc.), LeRoy B. Breneman, sales Mgr., Market St. & Alley 1, Columbia, Pa.
Bowditch-Packard Co., J. P. Bowditch, 166 Commercial St., Boston, Mass.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Aves., Freeport, Ill.
Costello, J. S., Son Brush Co., F. C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinbaum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Felton United Brush Co., R. H. Daniels, Gen. Mgr., Buckingham St., Toledo, Ohio.
Gordon Brushes, F. H. Gordon, Treas., 4 N. 15th St., Harrisburg, Pa.
Herbert, John F., & Sons (Inc.), J. F. Hartmann, Gen. Mgr., 107 Greenkill Ave., Kingston, N. Y.
Hoosick Falls Brush Co. (Inc.), S. E. Scott, Treas., W. A. Wood Co. Bldg., Hoosick Falls., N. Y.
India Brush & Mat Co., W. B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
International Brush Co. (Inc.), E. W. Patrick, Treas., 491 6th Ave., Troy, N. Y.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Mohawk Brush Co., Gates B. Augesse, Pres., 1031 Broadway, Albany, N. Y.
National Brush Co., C. O. Porter, Treas., Illinois Ave., Aurora, Ill.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St. New York, N. Y.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 194, BRUSH, CUSPIDOR

Bentzinger Bros., Ralph Bentzinger, sr., sole owner, Main & Market Sts., St. Louis, Mo.
Braun Brush Co., William Braun, partner, 8833 78th St., Woodhaven, N. Y.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Aves., Freeport, Ill.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dearborn Mfg. Co., J. C. Singleton, Pres., 550 W. Harrison St., Chicago, Ill.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Hertzberg, H., & Son, Robert L. Lake, Dir. of sales, 15 Mercer St., New York, N. Y.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Looby Brush Mfg. Co., George F. Looby, Treas., Deep River St., P. O. Centerbrook, Essex, Conn.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Metal Bound Brush & Broom Co., C. H. Longman, Pres., 119 E. Pearl St., Cincinnati, Ohio.
Milwaukee Brush Mfg. Co., E. P. Stureh, Pres., 770 30th St., Milwaukee, Wis.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, sales Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 195a, BRUSH, DAUBER, LONG PADDLE

Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bentzinger Bros., Ralph Bentzinger, sr., owner, 2 S. Main St., St. Louis, Mo.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Braun Brush Co., William Braun, partner, 8833 78th St., Woodhaven, N. Y.
Braun, Paul, Paul Braun, owner, 193 Wilson Ave., Brooklyn, N. Y.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Aves., Freeport, Ill.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Herbert, John F., & Sons (Inc.), Jos. F. Hartmann, Gen. Mgr., 107 Greenkill Ave., Kingston, N. Y.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer & Sons, David, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Milwaukee Brush Mfg. Co., E. P. Stureh, Pres., 770 30th St., Milwaukee, Wis.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Morek Brush Mfg. Co., Clifford Woodland, Sec., 236 8th St., San Francisco, Calif.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Osborn Mfg. Co., C. W. Titgemeyer, sales Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Sunset Broom & Brush Co., F. W. Smith, Mgr., 855 Treat Ave., San Francisco, Calif.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 196, BRUSH, DECK SCRUBBING

Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Braun Brush Co., Wm. Braun, partner, 8833 78th St., Woodhaven, N. Y.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Felton, S. A., & Son Co., J. B. Felton, Asst. Treas., W. Brook St., Manchester, N. H.
Felton United Brush Co., Raymond H. Daniels, Gen. Mgr., Buckingham St., Toledo, Ohio.
Flatt, J. O., & Co., Geo. W. Flatt, Gen. Mgr., 137 Cedar St., Reading, Pa.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Leonard Brush & Woodenware Co., W. F. Adams, Pres., 901 W. Main St., Louisville, Ky.
Milwaukee Brush Mfg. Co., F. P. Stureh, Pres., 770 30th St., Milwaukee, Wis.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
National Brush Co., C. O. Porter, Treas., Illinois Ave., Aurora, Ill.
Northwestern Mfg. Co., C. K. Smith., 1324 Capitol Ave., Omaha, Nebr.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.

Osborn Mfg. Co., C. W. Titgemeyer, sales Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Poggensee Brush Co., Henry H. Poggensee, 1921 Armitage Ave., Chicago, Ill.
Steiert, A., & Son, R. Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 197, BRUSH, HAND FLOOR SCRUBBING

Auburn Brush Co. (Inc.), LeRoy B. Breneman, sales Mgr., Market St. at Alley 1, Columbia, Pa.
Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dennin's, O., Sons (Inc.), L. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Felton, S. A., & Son Co., J. B. Felton, Asst. Treas., W. Brook St., Manchester, N. H.
Felton United Brush Co., Raymond H. Daniels, Gen. Mgr., Buckingham St., Toledo, Ohio.
Fuller Brush Co., N. L. Parsons, Mgr. Ser. Bur., 1080 Windsor Ave., Hartford, Conn.
Gordon Brushes, Francis H. Gordon, Treas., 4 N. 15th St., Harrisburg, Pa.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 784 30th St., Milwaukee, Wis.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
National Brush Co., C. O. Porter, Treas., Illinois Ave., Aurora, Ill.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Osborn Mfg. Co., C. W. Titgemeyer, sales Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Poggensee Brush Co., Henry H. Poggensee, 1921 Armitage Ave., Chicago, Ill.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville. Ohio.
Warner, W. E., & Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 198, BRUSH, HAIR, MILITARY

Alpha Brush Co., James W. Bradshaw, Pres., 33 102nd St., Troy, N. Y.
Ames Brush Co., Walter W. Conklin, Treas., 3800 Detroit Ave., Toledo, Ohio.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Dennin's O., Sons, (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Gibson, Geo. R. Co., Thos. A. Barrett, Treas., 11 E. 26th St., New York, N. Y.
Hoosick Falls Brush Co. (Inc.), Sylvester E. Scott, Treas., Hoosick Falls, N. Y.
International Brush Co. (Inc.), E. W. Patrick, Treas., 491 6th Ave., Troy, N. Y.
J. & P. Brush Co. (Inc.), Edgar Joly, Pres., 180 Lancaster St., Cohoes, N. Y.
Jivorim Corp., Martin Meyer, Pres., 580 Elm St., Arlington, N. J.
Mohawk Brush Co., Sol Levi, Treas., 1015 Broadway, Albany, N. Y.
Monarch Brush Co., S. T. Wiener, Sec., 651 3rd Ave., Troy, N. Y.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.

Spec. 199, BRUSH, RADIATOR DUSTING

Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bentzinger Bros., Ralph Bentzinger, sr., Owner, Main & Market Sts., St. Louis, Mo.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Aves., Freeport, Ill.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Dearborn Mfg. Co., J. C. Singleton, Pres., 550 W. Harrison St., Chicago, Ill.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Capitol Broom Co., Sigmund Eickstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row., New York, N. Y.
Felton, S. A., & Son Co., J. B. Felton, Ass't. Treas., West Brook St., Manchester, N. H.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Hertzberg, H., & Son, Robert L. Lake, Dir. of sales, 15 Mercer St., New York, N. Y.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.

Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Murk, Hermann G., & Co., Herman G. Murk, owner, 43 Wells St., Hartford, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, sales mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office mgr., Frederick, Md.
Poggensee Brush Co., Henry H. Poggensee, 1921 Armitage Ave., Chicago, Ill.
Sullivan Brush Co., J. B. Miller, Pres., 15 N. State St., Sullivan, Ind.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Warner, W. E., Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 200, BRUSH, SHAVING

American Safety Razor Corp., Nelson W. Freeley, V. Pres., 303 Jay St., Brooklyn, N. Y.
Ascher, Leopold, Co. (Inc.), Lawrence Ascher, Mgr., 122 6th Ave., New York, N. Y.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Engel, John, & Co., John Engel, partner, 137 W. Broadway, New York, N. Y.
Gibson, Geo. R., Co., Thomas A. Barrett, Treas., 11 E. 26th St., New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., Alexander C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Rubberset Co., Thomas B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 201, BRUSH, SIDEWALK

Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bentzinger Bros., Ralph Bentzinger, sr., owner, Main & Market Sts., St. Louis, Mo.
Bermes, Daniel, Co., Geo. F. Sauer, jr., Pres., 114 44th St., Union City, N. J.
Capitol Broom Co., Sigmund Eickstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Dearborn Mfg. Co., J. C. Singleton, Pres., 550 W. Harrison St., Chicago, Ill.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Goeller's, M. G., Sons, John C. Goeller, jr., Partner, 544 Clinton St., Circleville, Ohio.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Laitner, A., & Sons, Edward A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Michigan Ave., Detroit, Mich.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Morck Brush Mfg. Co., Clifford Woodland, Sec., 236 8th St., San Francisco, Calif.
National Broom Mfg. Co., D. Arbaugh, Pres., 230 S. Santa Fe St., Pueblo, Colo.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, sales service Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Steiert, A., & Son, Russell Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Van Tine, Bartlett, & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.
Warner, W. E., Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 202, BRUSH, TOOTH

Ames Brush Co., Walter W. Conklin, Treas., 3800 Detroit Ave., Toledo, Ohio.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Aves., Freeport, Ill.
Gibson, Geo. R., Co., Thomas A. Barrett, Treas., 11 E. 26th St., New York, N. Y.
Hughes, Henry L., Co. (Inc.), Ralph H. Goldman, Treas., 300 Madison Ave., New York, N. Y.
Irvin, James R., & Co. (Inc.), James R. Irvin, Pres., 230 S. Wells St., Chicago, Ill.
Mic-Lis Mfg. Co., J. W. Michaelis, Pres., 736 Champlain St., Toledo, Ohio.
Owens Stapletied Brush Co., J. R. Cowell, Gen. Mgr., 901 Buckingham St., Toledo, Ohio.
Pepsodent Co., Robert E. Spline, Mgr. of Sales, 1104 S. Wabash Ave., Chicago, Ill.
Rubberset Co., Thomas B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Sani-Fold Co. (Inc.), F. H. Baxter, Pres., 289 Nepperhan Ave., Yonkers, N. Y.
Sekine, I., Co. (Inc.), I. Sekine, Pres., 116 E. 16th St., New York, N. Y.
Takamine Corp., I. Nash, Mgr., 208 Rawson St., Long Island City, N. Y.
Western Co., J. F. Woodside, V. Pres., 402 W. Randolph St., Chicago, Ill.

Spec. 203, BRUSH, WINDOW

Baird Brush Mfg. Co., R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bentzinger Bros., Ralph Bentzinger, sr., owner, Main & Market Sts., St. Louis, Mo.
Bermes, Daniel, Co., Geo. F. Sauer, jr., V. Pres., 114 44th St., Union City, N. J.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Braun, Paul, Paul Braun, owner, 193 Wilson Ave., Brooklyn, N. Y.
Brenner, A., A. Brenner, 12 N. 3rd St., Phila., Pa.
Capitol Broom Co., Sigmund Eickstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Freeport, Ill.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Dearborn Mfg. Co., J. C. Singleton, Sec., 550 W. Harrison St., Chicago, Ill.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Gordon Brushes, Francis H. Gordon, Treas., 4 N. 15th St., Harrisburg, Pa.
Hardy, Frank H., C. B. Robbins, Sales Mgr., Haverhill St., Andover, Mass.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Laitner, A., & Sons, E. A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th St., St. Paul, Minn.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Michigan Ave., Detroit, Mich.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., G. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Morck Brush Mfg. Co., Clifford Woodland, Sec., 236 8th St., San Francisco, Calif.
Murk, Herman G., & Co., Herman G. Murk, owner, 43 Wells St., Hartford, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, sales Ser. Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Phoenix Brush Co. (Inc.), A. Morrell, Pres., 80 Greene St., New York, N. Y.
Poggensee Brush Co., Henry H. Poggensee, 1921 Armitage Ave., Chicago, Ill.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Van Tine, Bartlett, & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.
Warner, W. E., Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 710 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 204, BROOM, RATTAN PUSH

Bentzinger Bros., Ralph Bentzinger, sr., owner, Main & Market Sts., St. Louis, Mo.
Bowditch-Packard Co., John F. Bowditch, 166 Commercial St., Boston, Mass.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Goeller's, M. G., Sons, John C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
Herbert, John F., & Sons (Inc.), J. F. Hartmann, Gen. Mgr., 107 Greenkill Ave., Kingston, N. Y.
Hvass, Chas., & Co., (Inc.), Chas. T. Hvass, Pres., 508 E. 19th St., New York, N. Y.

Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th, St. Paul, Minn.
Midwest Broom Mfg. Co., J. C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
National Broom Mfg. Co., D. Arbaugh, Pres., 230 S. Santa Fe St., Pueblo, Colo.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, Sales Ser. Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Ox Fibre Brush Co., J. W. Wolfe, Office Mgr., Frederick, Md.
Sider, S. W., Broom Works, S. W. Sider, Prop., Foot of Wheatland Ave., Logansport, Ind.
Standard Broom & Brush Co., G. S. Schwartz, Treas., P. O. Box 604, Portland, Ind.
Steiert, A., & Son, Russell Wangner, Gen. Mgr., Front & Read Sts., Phila., Pa.
Sunset Broom & Brush Co., F. W. Smith, Mgr., 855 Treat Ave., San Francisco, Calif.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 205, BROOM, RATTAN (UPRIGHT)

Alabama Broom & Mattress Co., R. H. Canterberry, Gen. Mgr., P. O. Box 156, Huntsville, Ala.
American Broom Products Co., L. M. Malon, Asst. Sec., McAlester, Okla.
Blandon Broom Works, B. W. Ziegler, Sec., Blandon, Pa.
Brighton Broom & Brush Co. (Inc.), R. Textor, Mgr., 302 Pearl St., Brooklyn, N. Y.
Brooklyn Broom Works, Jacob Solomon, Prop., 495 Flushing Ave., Brooklyn, N. Y.
Capitol Broom Co., Sigmund Eichstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Cook, Chas., & Son, Margaret M. Palmer, bookkeeper, 40 Russell St., Hadley, Mass.
Deshler Broom Factory, H. C. Struve, Gen. Mgr., Deshler, Neb.
Goeller's, M. G., Sons, J. C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
Hamburg Broom Works, H. E. Seaver, Treas., Hamburg, Pa.
Herbert, John F., & Sons (Inc.), Jos. F. Hartmann, Gen. Mgr., 107 Greenkill Ave., Kingston, N. Y.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Lasting Broom & Mop Mfg. Co., A. G. Nimroth, Prop., 9th Ave. & Md. St., Evansville, Ind.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Lee Broom Co., Lynn Lloyd, V. Pres., 21st & Y Sts., Lincoln, Neb.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th, St. Paul, Minn.
Manhattan Broom Co., Oscar Halperyn, Prop., 439 E. 104th St., New York, N. Y.
Merkle Broom Co., J. L. Merkle, Treas., 101 West End Ave., Paris, Ill.
Midwest Broom Mfg. Co., J. C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
Miller Broom Co., A. L. Miller, Prop., 1824 West Ave., S., La Crosse, Wis.
Opie Brush Co., J. T. Opie, Owner, 1422 McGee St., Kansas City, Mo.
Pennsylvania Cork Work (Inc.), J. Geo. Brauer, 1017 N. Front St., Phila., Pa.
Pioneer Broom Co. (Inc.), Earl D. Blood, Sec., Pine & W. Main Sts., Amsterdam, N. Y.
Progressive Broom Mfg. Co., Frederick Koenig, Prop., 918 S. Beaume St., St. Louis, Mo.
Red Hill Broom Works, Irwin Richard, Prop., Red Hill, Pa.
Sider, S. W., Broom Works, S. W. Sider, Prop., foot of Wheatland Ave., Logansport, Ind.
Standard Broom Co., P. H. Price, Pres., Pacific & Bath Sts., Phila., Pa.
Standard Broom & Brush Co., G. S. Schwartz, Treas., P. O. Box 604, Portland, Ind.
Steiert A., & Son, Russell Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.
Zachry Mfg. Co., W. H. Zachry, Mgr., Greenwood Ave. & So. Ry., Atlanta, Ga.

Spec. 206, BROOM, SCRUBBING

Bentzinger Bros., Ralph Bentzinger, sr., owner, Main & Market Sts., St. Louis, Mo.
Blandon Broom Works, B. W. Ziegler, Sec., Blandon, Pa.
Bowditch-Packard Co., J. F. Bowditch, 166 Commercial St., Boston, Mass.
Costello, J. S., & Son Brush Co., F. C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Deshler Broom Factory, H. C. Struve, Gen. Mgr., Deshler, Neb.
Detroit Quality Brush Mfg. Co., T. Weinbum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Goeller's, M. G., Sons, J. C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Midwest Broom Mfg. Co., J. C. Goeller, jr., Partner, 544 Clinton St., Circleville, Ohio.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 770 30th St., Milwaukee, Wis.
St. Paul Broom Mfg. Co. (Inc.), Wm. Auerbacher, Pres., 916 Fauquier St., St. Paul, Minn.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.
Zachry Mfg. Co., W. H. Zachry, Mgr., Greenwood Ave. & So. Ry., Atlanta, Ga.

Spec. 207, BROOM, WIRE PUSH

American Brush Mfg. Co., W. R. James, Sec., 91 Union Ave., Portland, Oreg.
Bowditch-Packard Co., John P. Bowditch, 166 Commercial St., Boston, Mass.
Goeller's, M. G., Sons, J. C. Goeller, jr., Partner, 544 Clinton St., Circleville, Ohio.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Manufacturers Brush Co., R. M. Manning, Sec., 1950 W. 114th St., Cleveland, Ohio.
Midwest Broom Mfg. Co., J. C. Goeller, jr., partner, 544 Clinton St., Circleville, Ohio.
Milwaukee Brush Mfg. Co., E. P. Stureh, Pres., 770 30th St., Milwaukee, Wis.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Osborn Mfg. Co., C. W. Titgemeyer, sales Ser. Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Pennsylvania Cork Work (Inc.), J. Geo. Brauer, 1017 N. Front St., Phila., Pa.
Ridgely Trimmer Co., C. K. Hullinger, Treas., Kenton St., Springfield, Ohio.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 208a, DUSTER, COUNTER

American Brush Mfg. Co., W. R. James, Sec., 91 Union Ave., Portland, Oreg.
Baird Brush Mfg. Co. (Inc.), R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bentzinger Bros., Ralph Bentzinger, sr., owner, Main & Market Sts., St. Louis, Mo.
Bermes, Daniel, Co., Geo. F. Sauer, jr., Pres., 114 44th St., Union City, N. J.
Bowditch-Packard Co., John F. Bowditch, 166 Commercial St., Boston, Mass.
Brenner, A., A. Brenner, 12 N. 3rd St., Phila., Pa.
Capitol Broom Co., Sigmund Eickstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Cocker-Weber Brush Co., Ludwig Weber, Pres., 4th & Wood Sts., Phila., Pa.
Costello, J. S., & Son Brush Co., Frank C. Brennan, Sec., 1108 Pine St., St. Louis, Mo.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Dearborn Mfg. Co., J. C. Singleton, Sec., 550 W. Harrison St., Chicago, Ill.
Dennin's, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 7th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Felton, S. A., & Son Co., J. B. Felton, Asst. Treas., W. Brook St., Manchester, N. H.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
India Brush & Mat Co., W. B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Laitner, A., & Sons, Edw. A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Leonard Brush & Woodware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Maendler Brush Mfg. Co. (Inc.), F. W. Frenzel, Sec., 138 E. 9th, St. Paul, Minn.
Metal-Bound Brush & Broom Co., C. H. Longman, Pres., 119 E. Pearl St., Cincinnati, Ohio.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Morek Brush Mfg. Co., Clifford Woodland, Sec., 236 8th St., San Francisco, Calif.
Murk, Hermann G., & Co., Hermann G. Murk, owner, 43 Wells St., Hartford, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Opie Brush Co., J. T. Opie, owner, 1422 McGee St., Kansas City, Mo.
Osborn Mfg. Co., C. W. Titgemeyer, sales Ser. Mgr., 5401 Hamilton Ave., Cleveland, Ohio.
Poggensee Brush Co., Henry H. Poggensee, 1921 Armitage Ave., Chicago, Ill.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.
Robertson, Theo. B., Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Sullivan Brush Co., J. B. Miller, Pres., 15 N. State St., Sullivan, Ind.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Nebr.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Van Tine, Bartlett, & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.
Warner, W. E., Co., G. Meyer, partner, 136 Centre St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 213, HAND CHEMICAL FIRE EXTINGUISHERS (SODA-AND-ACID TYPE)

Ajax Fire Engine Works, B. Gerstein, Prop., 882 3d Ave., Brooklyn, N. Y.
Amdyco Corp., M. R. Landon, Sec., 100 E. 42nd St., New York, N. Y.
American LaFrance Fire Engine Co., Hugh Logan, Mgr. sundry sales, Marion & S. Janes Sts., Long Island City, N. Y.
Badger Fire Extinguisher Co., Arthur C. Badger, Pres., 962 Park Square Bldg., Boston, Mass.
Barnes, Henry K., Co., A. E. Lindh, Ch. clerk, 234 Devonshire St., Boston, Mass.
Buffalo Fire Appliance Corp., D. Meidel, Asst. sales Mgr., 44 Central Ave., Buffalo, N. Y.
Castle, James M. (Inc.), C. B. Ford, Pres., 1718 Vine St., Phila., Pa.
Columbia Fire Extinguisher Co., George H. Downing, Prop., 174 Centre St., New York, N. Y.
Cross, C. J., Mfg. Co., C. J. Cross, Pres., 149 Church St., New York, N. Y.
Diener, Geo. W., Mfg. Co., H. W. Diener, Sec., 400 Monticello Ave., Chicago, Ill.
Elkhart Brass Mfg. Co., L. Lavender, Sec., W. Beardsley Ave., Elkhart, Ind.
Fyr-Fyter Co., R. C. Iddings, Pres., 221 Crane St., Dayton, Ohio.
General Mfg. Co., A. C. Ansorge, Sec., 1801 Pine St., St. Louis, Mo.
Gilbert, A., & Sons Brass Foundry Co., Chas. F. Gilbert, Pres., 4015 Forest Park Blvd., St. Louis, Mo.
Harden Hand Grenade Co., M. C. Reeves, Mgr., 6213 Wentworth Ave., Chicago, Ill.
Harker Mfg. Co., W. E. Scallan, Gen. Mgr., 121 W. 3d St., Cincinnati, Ohio.
Howard, H. J. M., Mfg. Co., R. H. Howard, V. Pres., 148 Pierce St. NW., Washington, D. C.
Hunt, James B., Mfg. Co., Chas. W. Bergen, Mem. firm, Forst-Richey Bldg., Trenton, N. J.
Jiffy Fire Hose Rack Co., Raymond F. Brown, Prop., 133 W. 52d St., New York, N. Y.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Knight & Thomas (Inc.), Henry G. Chandler, Sec., 212 Sumner St., Boston, Mass.
McMorran, Edward E., & Co., E. E. McMorran, owner, 162 N. Union St., Chicago, Ill.
Miller-Peerless Mfg. Co., F. Kachel, sales Mgr., 325 N. Curtis St., Chicago, Ill.
Missouri Lamp & Mfg. Co., E. C. Pate, Asst. Sec., 116 Elm St., St. Louis, Mo.
Morristown Mfg. Co. (Inc.), D. W. Pelton, Treas., Main St., Morristown, N. Y.
National Fire Protection Co., Fisher L. Boyd, Treas., 1617 Sansom St., Phila., Pa.
Pacific Fire Extinguisher Co., L. B. Krieger, V. Pres., 440 Howard St., San Francisco, Calif.
Pioneer Chemical Co. of Ithaca, John F. McKinney, Gen. sales Mgr., S. Pine River St., Ithaca, Mich.
Pyrene Mfg. Co., Edward A. Clapp, Sec., 560 Belmont Ave., Newark, N. J.
Robinson Fire Apparatus Mfg. Co., R. L. Heydt, Sec., 4250 N. 20th St., St. Louis, Mo.
Rowe, A. C., & Son (Inc.), Kenneth P. Rowe, Treas., 80 Reade St., New York, N. Y.
Safety Fire Extinguisher Co., W. E. Sintratt, owner, 291 Seventh Ave., New York, N. Y.
Snyder, M. L., & Son, Herbert A. Greene, Pres., 221 Church St., Phila., Pa.
Standard Extinguisher Co., G. W. Baufil, Mgr., 24 Binford St., Boston, Mass.
Woodhouse Mfg. Co. (Inc.), Daniel A. Woodhouse, Pres., 35 Warren St., New York, N. Y.

Spec. 214, ASPHALT PREPARED ROOFING

Amalgamated Roofing Co., 431 South Dearborn St., Chicago, Ill.
American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 West 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
Lehon Co., 44th & Oakley Avenue, Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
McHenry-Millhouse Mfg. Co., 1702 S. Franklin St., South Bend, Ind.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooke, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., Paul Bennett, sales Mgr., 164 Fillmore Ave., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Reynolds, H. M., Shingle Co., Grand Rapids, Mich.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Turnerised Roofing Co., F. L. Kinsman, V. Pres., Brewer Block, Ada, Ohio.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Weaver-Henry Co., 2440 E. 8th St., Los Angeles, Calif.
Weaver Wall Co., 3700 Brookpark Road, Cleveland, Ohio.

Spec. 239, HEAVY RUST PREVENTIVE COMPOUND

(Now being revised.)

Spec. 241, SOLE LEATHER (VEGETABLE-TANNED)

Cook, H. N., Belting Co., M. R. Cook, Pres., 401 Howard St., San Francisco, Calif.
Druid Oak Belting Co. (Inc.), H. C. Staley, V. Pres., 111 E. Lombard St., Balto., Md.
Hilliard & Merrill (Inc.), L. M. Newhall, Sec., 130 Eastern Ave., Lynn, Mass.
Hunt, Frank W., & Co., M. Hunt, Prop., 20 East St., Boston, Mass.
Johnson Belting Co., M. Kaufman, Sec. 423 E. 56th St., New York, N. Y.
Morgan Leather Co., The, George H. Morgan, Prop., 923 Real Estate Building, Phila, Pa.
Mosser, J. K., Leather Corp., H. W. Boyd, Pres., 173 N. Franklin St., Chicago, Ill.
National Leather Belting Co., N. Freid, Pres., 423 E. 56th St., New York, N. Y.
Transylvania Tanning Co., J. I. Silversteen, Pres., Brevard, N. C.

Spec. 242a, WROUGHT IRON PIPE (WELDED) (BLACK AND GALVANIZED)

American District Steam Co., A. J. Slade, Dir. sales, Bryant St., N. Tonawanda, N. Y.
Byers, A. M., Co., L. M. Johnston, V. Pres., 235 Water St., Pittsburgh, Pa.
Chicago Tube & Iron Co., H. W. Haigh, sales Mgr., 2531 W. 48th St., Chicago, Ill.
Cohoes Rolling Mill Co., A. Macfadyen, Sec., Canvass & Cortland Sts., Cohoes, N. Y.
Cornell & Underhill, P. N. Aymar, Gen. Mgr., 311 Spring St., New York, N. Y.
Greene-Wolf Co. (Inc.), D. Greene, Pres., 30 Church St., New York, N. Y.
Larkin, J. K., & Co., W. C. Hays, V. Pres., 253 Broadway, New York, N. Y.
Reading Iron Co., H. F. Mattern, sales Mgr., Baer Bldg., Reading, Pa.
South Chester Tube Co., A. J. Tucker, Treas., Front & Thurlow Sts., Chester, Pa.

Spec. 244, MILLED TOILET SOAP

Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Cincinnati Soap Co., M. P. Rosenthal, sales Mgr., Winton Pl., Cincinnati, Ohio.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Dugan, Herbert F., H. F. Dugan, owner, 1143 Sutter St., San Francisco, Calif.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn St., Camden, N. J.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Gill, Thomas, Soap Co., Russell Provost, Mgr., 711 Kent Ave., Brooklyn, N. Y.
Globe Soap Co., A. Campbell, V. Pres., 6th & Sycamore Sts., Cincinnati, Ohio.
Harral Soap Co., S. F. Miller, Pres., 463 Greenwich St., New York, N. Y.
Holman Soap Co., Edward Holman, Pres., 3104 Fox St., Chicago, Ill.
Jergens, Andrew Co., Wm. Roth, Asst. Gen. Mgr., Spring Grove & Alfred Sts., Cincinnati, Ohio.
Kirk, Jas. S., & Co., J. L. Oestmann, Treas., 1232 W. North Ave., Chicago, Ill.
Morris & Co., E. W. Park, sales Mgr., 1355 W. 31st St., Chicago, Ill.
Mulhens & Kropff (Inc.), Wm. Kropff, Pres., 25 W. 45th St., New York, N. Y.
Overton-Hygienic Mfg. Co., W. Roane, Gen. Mgr., State & 36th Sts., Chicago, Ill.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Powell, John, & Co. (Inc.), John Powell, V. Pres., 12 Water St., New York, N. Y.
Procter & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Robertson, J. T., Co. (Inc.), H. W. Kingsbury, V. Pres., 147 Richmond Ave., Syracuse, N. Y.
Stanley, John T., Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Swift & Co., W. W. Shuman, Asst. Treas., Union Stock Yards, Chicago, Ill.
Uno Mfg. Co., A. H. Barnett, Ch. Chem., 469 E. Ohio St., Chicago, Ill.
Watkins, J. R., Co., R. H. Watkins, Asst. Sec., 150 Liberty St., Winona, Minn.

Spec. 245, POWDERED SOAP (FOR LAUNDRY USE)

American Soap & Washoline Co., J. E. Graham, Treas., 140 Central Ave., Cohoes, N. Y.
Armour & Co., M. L. Sheely, Ch. Chem., 1355 W. 31st St., Chicago, Ill.
Beach Soap Co., W. E. Philbrick, Treas., Lawrence & Maple Sts., Lawrence, Mass.
Britt, T. H., Ammonia Co., C. M. Sommers, Treas., 282 Oregon St., Milwaukee, Wis.
Central Soap Co., R. H. Peters, Pres., 701 Hampden Ave., St. Paul, Minn.
Daland & Co. (Inc.), H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Diamond, McDonnell & Co., J. P. Diamond, Mgr., 409 N. 4th St., Phila., Pa.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Eavenson, J., & Sons (Inc.), I. Katz, Gen. Mgr., Del. Ave. & Penn. St., Camden, N. J.
Elkonite Products Co., L. C. Brinkmeyer, Pres., 2357 Foot Hill Blvd., Oakland, Calif.
Empire Soap Co., H. F. MacGrotty, Sec., 260 W. Broadway, New York, N. Y.
Enterprise Mill Soap Works (Inc.), J. P. McNeill, Sec., 2229 N. 12th St., Phila. Pa.
Fry Bros. Co., N. L. Fry, Pres., 105 E. Central Parkway, Cincinnati, Ohio.
General Soap Co., R. E. Naccari, owner, 149 Calif. St., San Francisco, Calif.

Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Harris Soap Co., A. O. Harris, Pres., 18 Stetson St., Buffalo, N. Y.
Haskins Bros. & Co., D. Newton, jr., Gen. Mgr., 115 Hickory St., Omaha, Neb.
Kemp, Lysander, & Sons (Inc.), H. L. Rice, sales Mgr., 121 Beverly St., Boston, Mass.
Kendall Mfg. Co., G. R. Fulton, Pres., 90 Friendship St., Providence, R. I.
Kohnstamm, H., & Co. (Inc.), Jos. Kohnstamm, Treas., 83 Park Pl., New York, N. Y.
Massachusetts Sales Service, A. Champagne, Mgr., 4 Spring St., Lowell, Mass.
Midland Chem. Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Mitchell Wing Co., W. E. Philbrick, Treas., 109 Broad St., Boston, Mass.
Morris & Co., E. W. Park, sales Mgr., 1355 W. 31st St., Chicago, Ill.
National Soap Co., E. Westwood, sales Mgr., 357 S. 25th St., Tacoma, Wash.
North Coast Chemical & Soap Works, F. J. Zorn, Pres., 6307 17th Ave., S. Seattle, Wash.
Pennsylvania Soap Co. of Lancaster, Pa., O. J. Lautz, V. Pres., 628 S. Prince St., Lancaster, Pa.
Pioneer Soap Co. (Inc.), H. I. Bernhard, Sec., 400 15th St., San Francisco, Calif.
Powell, John & Co. (Inc.), John Powell, V. Pres., 12 Water St., New York, N. Y.
Procter & Gamble Distributing Co., H. G. French, V. Pres., Gwynne Bldg., Cincinnati, Ohio.
Robertson, J. T. Co. (Inc.), H. W. Kingsbury V. Pres., 147 Richmond Ave., Syracuse, N. Y.
Royal Lemon Co., N. A. Hanerson, Sec., 1115 University Ave., St. Paul, Minn.
Stanley, John T., Co. (Inc.), F. A. Cook, sales Mgr., 642 W. 30th St., New York, N. Y.
Stuart Industrial Service (Inc.), C. W. Stuart, Pres., 4603 Roosevelt Road, Chicago, Ill.
Supreme Soap Co., O. F. Apple, Sec., 2d & Sycamore Sts., Anderson, Ind.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
Watkins, J. R., Co., A. H. Watkins, Asst. Sec., 150 Liberty St., Winona, Minn.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.

Spec. 246, LIQUID SOAP (FOR LAUNDRY USE)

Abbey, R. A .,Co., R. A. Abbey, Mgr., 1109 Jackson St., Scranton, Pa.
Alpha Chemical Co. (Inc.), Mark Sunstrom, Pres., 129 W. Barre St., Balto., Md.
Antiseptol Liquid Soap Co., E. E. McDow, Treas., 564 W. Randolph St., Chicago, Ill.
Clifton Chemical Co. (Inc.), L. B. Schwarcz, Sec., 246 Front St., New York, N. Y.
DuBois Soap Co., T. V. DuBois, Pres., 1120 W. Front St., Cincinnati, Ohio.
Dugan, Herbert F., H. F. Dugan, Prop., 1151 Sutter St., San Francisco, Calif.
Fergusson Laboratories, E. A. Talcott, Mgr., 17 S. Orianna St., Phila., Pa.
Flash Chemical Co., J. M. Lubit, V. Pres., 160 2d St., Cambridge, Mass.
Fry Bros. Co., N. L. Fry, Pres., 105 E. Central Parkway, Cincinnati, Ohio.
Gerson-Stewart Corp., L. H. Gerson, Pres., 3528 E. 76th St., Cleveland, Ohio.
Green Oil Soap Co., W. M. Kelso, Pres., 166 N. Curtis St., Chicago, Ill.
Gutradt, Newell Co., A. Hass, Pres., 350 Fremont St., San Francisco, Calif.
Harley Soap Co. (Inc.), C. B. Solly, V. Pres., 2832 E. Pacific St., Phila., Pa.
Hayner, Norman C., Co., N. C. Hayner, Treas., 194 Edinburgh St., Rochester, N. Y.
Heinzkill, John, Soap Works, J. Heinzkill, jr., sales Mgr., 813 W. College Ave., Appleton, Wis.
Hirsh, Leon, & Son, J. A. Miller, Mem. Firm, 368 Greenwich St., New York, N. Y.
Hockwald Chemical Co., L. Hockwald, Mgr., 436 Bryant St., San Francisco, Calif.
Huntington Laboratories (Inc.), J. L. Brenn, Pres., 64 Federal St., Huntington Ind.
Lanair Co., J. A Millner, Pres., 2639 N. Racine Ave., Chicago, Ill.
Laurel Soap Mfg. Co. (Inc.), W. H. Bertolet, Pres., Tioga & Thompson Sts., Phila., Pa.
Leggod Mfg. Corp., M. Goldner, Treas., 132 22d St., Brooklyn, N. Y.
Massachusetts Sales Service, A. Champagne, Mgr., 4 Spring St., Lowell, Mass.
Midland Chemical Laboratories (Inc.), L. O. Hillyard, Pres., 220 Jones St., Dubuque, Iowa.
Peck's Products Co., G. P. Peck, Pres., 5224 N. 2d St., St. Louis, Mo.
Robertson, Theo. B., Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Schaeffer Bros. & Powell Mfg. Co., B. Nichols, Mgr., 102 Barton St., St. Louis, Mo.
Syracuse Victory Soap Corp., J. Russell Paine, Pres., 252 W. Washington St., Syracuse, N. Y.
United States Sanitary Specialties Corp., L. Koppelman, Sec., 435 S. Western Ave., Chicago, Ill.
Western Meat Co., A. O. Reese, Sec., South San Francisco, Calif.
Western Soap & Chemical Co., F. E. Blum, Treas., 4726 Loma Vista Ave., Los Angeles, Calif.
Williams, Geo. L., Co., G. L. Williams, Pres., 5700 Train Ave., Cleveland, Ohio.

Spec. 247, GYPSUM PLASTER

American Hard Wall Plaster Co., T. P. Eldred, Sec., 728 Broad St., Utica, N. Y.
Arizona Gypsum Plaster Co., S. G. Dowell, Supt., Box 511, Douglas, Ariz.
Best Bros. Keene's Cement Co., John C. Best, Pres., Medicine Lodge, Kans.
Blue Diamond Co., Wm. A. Godshall, sales Mgr., 1650 S. Almeda St., Los Angeles, Calif.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d St., New York, N. Y.
Cleveland Gypsum Co., M. B. Jewett, Gen. Mgr., Leader Bldg., E. 6th & Superior Ave., Cleveland, Ohio.
Dakota Plaster Co., A. M. Lamphere, Sec., Rapid City, S. Dak.
Empire Gypsum Co. (Inc.), Theo. W. Curtis, V. Pres., 319 Cutler Bldg., Rochester, N. Y.
Fairmont Wall Plaster Co., J. R. Spease, Pres., 10th St., Fairmont, W. Va.
French, Samuel H., & Co., Edward T. Longstreth, V. Pres., 4th & Callowhill Sts., Phila., Pa.

Globe Plaster Co., Ellsworth N. Croll, Sec., 210 Franklin St., Buffalo, N. Y.
Grand Rapids Plaster Co., James Bale, Sec., 1204 Grand Rapids Savings Bank Bldg., Grand Rapids, Mich.
Higgenson Mfg. Co., G. Holland, Pres., Newburgh, N. Y.
National Gypsum Co., R. F. Burley, Asst. Dir. of sales, 409 Jackson Bldg., Buffalo, N. Y.
Niagara Gypsum Co., M. A. Reeb, Pres., 597 Michigan Ave., Buffalo, N. Y.
Oakfield Gypsum Products Corp., T. P. Eldred, Treas., 728 Broad St., Utica, N. Y.
Pacific Portland Cement Co., James A. Keller, V. Pres., 111 Sutter St., San Francisco, Calif.
Paragon Plaster Co., Emil Hansen, Sec., 300 W. Water St., Syracuse, N. Y.
Paragon Plaster & Supply Co., E. L. Merriman, Gen. Mgr., 101 Green Ridge St., Scranton, Pa.
Rosslyn Steel & Cement Co., W. A. Rhodes, sales Mgr., 3031 K St. NW., Washington, D. C.
Standard Gypsum Co., Wm. B. Gray, Sec., 760 Market St., 1112 Phelan Bldg., San Francisco, Calif.
Three Forks Portland Cement Co., R. J. Morse, V. Pres., Ideal Bldg., Denver, Colo.
United States Gypsum Co., C. Henning, V. Pres., 300 W. Adams St., Chicago, Ill.
Universal Gypsum & Lime Co., Eugene Holland, Pres., 111 W. Washington St., Chicago, Ill.
Whittaker, Clark & Daniels (Inc.), W. B. Daniels, Treas., 245 Front St., New York, N. Y.

Spec. 248, CALCINED GYPSUM

American Gypsum Co., The A. R. Black, Gen. sales Mgr., Port Clinton, Ohio.
American Hard Wall Plaster Co., T. P. Eldred, Sec., 728 Broad St., Utica, N. Y.
Arizona Gypsum Plaster Co., S. G. Dowell, Supt., Box 511, Douglas, Ariz.
Best Bros. Keene's Cement Co., John C. Best, Pres., Medicine Lodge, Kans.
Blue Diamond Co., Wm. A. Godshall, sales Mgr., 1650 S. Almeda St., Los Angeles, Calif.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Colorado Portland Cement Co., R. J. Morse, V. Pres. & Gen. Mgr., Ideal Bldg., Denver, Colo.
Dakota Plaster Co., A. M. Lamphere, Sec., Rapid City, S. Dak.
Empire Gypsum Co. (Inc.), Theo. W. Curtis, V. Pres., 319 Cutler Bldg., Rochester, N. Y.
Fairmont Wall Plaster Co., J. R. Spease, Pres., 10th St., Fairmont, W. Va.
French, Samuel H., & Co., Edward T. Longstreth, V. Pres., 4th & Callowhill Sts., Phila., Pa.
Grand Rapids Plaster Co., James Bale, Sec., 1204 Grand Rapids Savings Bank Bldg., Grand Rapids, Mich.
Higgenson Mfg. Co., Geo. Holland, Pres., Newburgh, N. Y.
Jumbo Plaster & Cement Co., W. P. Payne, Gen. Mgr., Sigurd, Utah.
National Gypsum Co., R. F. Burley, Asst. Dir. of Sales, 409 Jackson Bldg., Buffalo, N. Y.
Oakfield Gypsum Products Corp., T. P. Eldred, Treas., 728 Broad St., Utica, N. Y.
Pacific Portland Cement Co., James A. Keller, V. Pres., 111 Sutter St., San Francisco, Calif.
Paragon Plaster Co., Emil Hansen, Sec., 300 W. Water St., Syracuse, N. Y.
Reeb, M. A., Corp., M. A. Reeb, Pres., 597 Michigan Ave., Buffalo, N. Y.
Rosslyn Steel & Cement Co., W. A. Rhodes, sales Mgr., 3031 K St., NW., Washington, D. C.
Standard Gypsum Co., W. B. Gray, Sec., 1112 Phelan Bldg., 760 Market St., San Francisco, Calif.
United States Gypsum Co., C. Henning, V. Pres. in charge of sales, 300 W. Adams St., Chicago, Ill.
Universal Gypsum & Lime Co., Eugene Holland, Pres., 111 W. Washington St., Chicago, Ill.
Whittaker, Clark & Daniels (Inc.), W. B. Daniels, Treas., 245 Front St., New York, N. Y.

Spec. 249, HYDRATED LIME FOR STRUCTURAL PURPOSES

Allwood Line Co., Victor K. Hendries, Asst. chemist, 418 N. 8th St., Manitowoc, Wis.
American Lime & Stone Co., Alfred Barnes, jr., V. Pres., Bellefonte, Pa.
Ash Grove Lime & Portland Cement Co., J. G. Pollock, V. Pres., 705 Grand Ave. Temple, Kansas City, Mo.
Baker, J. E., Co., S. Walter Stauffer, sales Mgr., 114 N. George St., York, Pa.
Batesville White Lime Co., L. Weigart, Pres., Batesville, Ark.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Commercial Lime Co., W. M. Palmer, Sec., 19 N. Main St., Ocala, Fla.
Dillon's, E., Sons (Inc.), L. P. Dillon, Pres., Indian Rock, Va.
Dittlinger Lime Co., H. Dittlinger, Pres., New Braunfels, Tex.
Elliston Lime Co., H. T. Kuehn, Sec. Treas., P. O. Box 192, Helena, Mont.
Grand Canyon Lime & Cement Co. of Arizona, Donald Fragner, Sec., 840 Commercial St., Los Angeles, Calif.
Grove Lime, M. J., Co., E. H. Grove, Sec., P. O. Box 53, Lime Kiln, Md.
Keller, O. J., Lime Co., F. H. Harrington, Mgr., 4 E. Church St., Frederick, Md.
Kelley Island Lime & Transport Co., F. W. Kuhl, Sec., 1122 Leader Bldg., Cleveland, Ohio.
Kimbalton Lime Co. (Inc.), S. C. Snead, Sec., Shawsville, Va.
King, Oliver, Sand & Lime Co., Oliver King, Knoxville, Tenn.
Ladd Lime & Stone Co., H. J. Backus, V. Pres., Cartersville, Ga.
Lee Lime Corp., John M. Deely, V. Pres., Lee, Mass.
Lehigh Lime Co., Daniel E. Ritter, V. Pres., 111 W. Washington St., Chicago, Ill.
Limeton Lime Co. (Inc.), R. E. Herr, Pres., Front Royal, Va.
Longview Lime Works, C. C. Cole, Sec., Longview, Ala.
Louisville Cement Co., T. A. Courtenay, sales Mgr., 315 Guthrie, Louisville, Ky.
National Gypsum Co., M. H. Baker, V. Pres., Jackson Bldg., Buffalo, N. Y.
National Lime & Stone Co., Louis G. Love, Asst. Gen. Mgr., Buckeye-Commercial Bank Bldg., Findlay, Ohio.

Ohio Hydrate & Supply Co., Fred Witmer, Pres., Main St., Woodville, Ohio.
Oreas Lime Co., N. H. Dally, V. Pres., 332 Pioneer Bldg., Seattle, Wash.
Pennyslvania Lime Products Co., J. L. Durnell, sales Mgr., 24th & Parkway, Phila., Pa.
Reiff, J. P., Lime Co., John P. Reiff, Prop., Drexel Bldg., Phila., Pa.
Riverton Lime Co. (Inc.), A. C. Carson, Sec., Riverton, Va.
Roche Harbor Lime & Cement Co., John S. McMillin, Pres., Roche Harbor, Wash.
Rockland & Rockport Lime Corp., G. B. Wood, Pres., Masonic Temple Bldg., Rockland, Me.
Rosslyn Steel & Cement Co., W. A. Rhodes, sales Mgr., 3031 K St. NW., Washington, D. C.
Sheboygan Lime Works, J. H. Carter, Asst. Mgr., Calumet Rd., Sheboygan, Wis.
Superior Lime & Hydrate Co. (Inc.), H. G. Bridgewater, Pres., Pelham, Shelby County, Ala.
Swanton Lime Works, Wm. P. Rich, Treas., Swanton, Vt.
United States Gypsum Co., C. Henning, V. Pres. in charge of sales, 300 W. Adams St., Chicago, Ill.
United States Lime Products Corp., R. E. Tremoureux, Treas., consulting Engr., 58 Sutter St., San Francisco, Calif.
Universal Gypsum & Lime Co., Eugene Holland, Pres., 111 W. Washington St., Chicago, Ill.
Urschel, Wm. L., Lime & Stone Co., F. W. Hallame, Mgr. of sales, 1345 Miami St., Toledo, Ohio.
Valley View Lime Co., Martin J. Miller, Mgr., Box 233, Bellfonte, Pa.
Van Scriver Corp., J. L. Dowell, Sales Mgr., 24th & Parkway, Phila., Pa.
Warner, Charles, Co., Reed C. Bye, V. Pres., 10th & King Sts., Wilmington, Del.
Washington Building Lime Co., C. H. Slater, Asst. Treas., 524 Equitable Bldg., Balto., Md.
Western Lime & Cement Co., V. F. Nast, Sec., 68 E. Wisconsin Ave., Milwaukee, Wis.
Whittaker, Clark & Daniels (Inc.), W. B. Daniels, Treas., 245 Front St., New York, N. Y.
Williams Lime Mfg. Co., John Williams, Pres., P. O. Box 1195, Knoxville, Tenn.
Woodville Lime Products Co., Geo. C. Urchel, V. Pres., 622 Madison Ave., Toledo, Ohio.

Spec. 250, QUICKLIME FOR STRUCTURAL PURPOSES

Allwood Lime Co., Victor K. Hendries, Asst. Chem., 418 N. 8th St., Manitowoc, Wis.
American Lime & Stone Co., Alfred Barnes, jr., V. Pres., Bellefonte, Pa.
Ash Grove Lime & Portland Cement Co., J. F. Pollock, V. Pres., 705 Grand Ave. Temple, Kansas City, Mo.
Baker, J. E., Co., S. Walter Stauffer, sales Mgr., 114 N. George St., York, Pa.
Batesville White Lime Co., L. Weigart, Pres., Batesville, Ark.
Blue Diamond Co., Wm. A. Godshall, sales Mgr., 1650 S. Alameda St., Los Angeles, Calif.
Calera Lime Works (Inc.), R. E. Brewdon, jr., Sec., Calera, Ala.
California Portland Cement Co., L. E. Bancroft, Asst. Sec., 523 W. 6th St., Los Angeles, Calif.
Canyon Lime Co., J. H. Stearns, Pres., 522 Sixth St., Las Vegas, N. Mex.
Cowell, Henry, Lime & Cement Co., W. H. George, Sec., 2 Market St., San Francisco, Calif.
Diamond Spring Lime Co., H. P. Brown, Pres., P. O. Box 72, Diamond Springs, Calif.
Dillon's, E., Sons (Inc.), L. P. Dillon, Pres., Indian Rock, Va.
Dittlinger Lime Co., H. Dittlinger, Pres., New Braunfels, Tex.
Eagle Rock Lime Co., James H. McNamara, Pres., Eagle Rock, Va.
Elliston Lime Co., H. T. Kuehn, Treas., P. O. Box 192, Helena, Mont.
Farnam Cheshire Lime Co., C. J. Cheshire, Pres., 39 Cortlandt St., New York, N. Y.
Florida Lime Co., Jos. Meffech, Sales Mgr., 811 Lake Weir Ave., Ocala, Fla.
Grand Canyon Lime & Cement Co. of Arizona, Donald Fragner, Sec., 840 Commercial St., Los Angeles, Calif.
Grove, M. J., Lime Co., E. H. Grove, Sec., P. O. Box 53, Lime Kiln, Md.
Holmes Lime & Cement Co., W. J. Feary, Sec., 116 New Montgomery St., San Francisco, Calif.
Hoosac Valley Lime Co. (Inc.), William Flaherty, Pres., Howland Ave., Adams, Mass.
Hoosier Lime Co., R. E. Vernia, Sec., P. O. Box 492, Salem, Ind.
Keller, O. J., Lime Co., F. H. Harrington, Mgr., 4 E. Church St., Frederick, Md.
Keystone Lime Works (Inc.), M. W. Hammond, Sec., Keystone, Ala.
King, Oliver, Sand & Lime Co., Oliver King, Pres., Island Home Pike, Knoxville, Tenn.
Langton Lime & Cement Co., A. J. Gowers, jr., Mgr., 346 S. 3d West St., Salt Lake City, Utah.
Lee Lime Corp., John M. Deely, V. Pres., Lee, Mass.
Lehigh Lime Co., Daniel E. Ritter, V. Pres., 111 W. Washington St., Chicago, Ill.
Limeton Lime Co. (Inc.), R. E. Herr, Pres., Front Royal, Va.
Longview Lime Works, C. C. Cole, Sec., Longview, Ala.
Louisville Cement Co., T. A. Courtenay, sales Mgr., 315 Guthrie St., Louisville, Ky.
Muscle Shoals White Lime Co., W. C. Roberts, Pres., Nathan Bldg., Sheffield, Ala.
National Gypsum Co., R. F. Burley, Asst. Dir. of sales, 409 Jackson Bldg., Buffalo, N. Y.
National Lime & Stone Co., Louis G. Love, Asst. Gen. Mgr., Buckeye-Commercial Bank Bldg., Findlay, Ohio.
Oak Hurst Lime Co., Jos. Meffech, Sec., Box 478, Ocala, Fla.
Oreas Lime Co., N. H. Dally, V. Pres., 332 Pioneer Bldg., Seattle, Wash.
Pennsylvania Lime Products Co., J. L. Durnell, V. Pres., 24th & Parkway, Phila., Pa.
Reiff, J. P., Lime Co., John Reiff, Prop., Drexel Bldg., Phila., Pa.
Riverton Lime Co. (Inc.), A. C. Carson, Sec., Riverton, Va.
Roche Harbor Lime & Cement Co., John S. McMillin, Pres., Roche Harbor, Wash.
Rockdale-Corson-Lime-Co., Wm. Paxton, Sec., Linville, Va.
Rockland & Rockport Lime Corp., G. B. Work, Pres., Masonic Temple Bldg., Rockland, Me.
Ste. Genevieve Lime Co., C. H. Kammam, Sec., Ambassador Bldg., St. Louis, Mo.
Sheboygan Lime Works, J. H. Carter, Asst. Mgr., Calumet Rd., Sheboygan, Wis.
Standard Lime & Stone Co., W. A. Titus, Pres., 94 S. Main St., Fond du Lac, Wis.

Stearns Lime & Stone Co., R. I. Stearns, II, V. Pres., 105 W. Adams St., Chicago, Ill.
Superior Lime & Hydrate Co. (Inc.), H. G. Bridgewater, Pres., Pelham, Shelby County, Ala.
Swanton Lime Works, Wm. P. Rich, Treas., Swanton, Vt.
Tennessee Lime & Sand Co., Oliver King, Pres., Island Home Pike, Knoxville, Tenn.
United States Lime Products Corp., R. E. Tremoureux, Treas., consulting Engr., 58 Sutter St., San Francisco, Calif.
Universal Gypsum & Lime Co., Eugene Holland, Pres., 111 W. Washington St., Chicago, Ill.
Van Scriber Corp., J. L. Durnell, sales Mgr., 24th & Parkway, Phila., Pa.
Warner, Chas., Co., Reed C. Bye, V. Pres., 10th & King Sts., Wilmington, Del.
Washington Building Lime Co., C. H. Slater, Asst. Treas., 524 Equitable Bldg., Balto., Md.
Western Lime & Cement Co., V. F. Nast, Sec., 68 E. Wisconsin Ave., Milwaukee, Wis.

Spec. 251a, CHEESECLOTH FOR WIPING PURPOSES

American Sanitary Rag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Berman, P. H., & Son, Benj. Berman, Mem. firm, 3425 Market St., Phila., Pa.
Border City Mfg. Co., Chas. F. Winslow, Bkpr., Weaver St., Fall River, Mass.
Clifton Mfg. Co., J. C. Evins, Pres., Clifton, S. C.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker Sts., Phila., Pa.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Griswoldville Mfg. Co., Richard L. Moyle, V. Pres., 56 Worth St., New York, N. Y.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Herring, M., & Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, Owner, 615 Chestnut St., Phila., Pa.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Katzenstein, M., & Son, James E. Katzenstein, owner, 3 Johnson Ave., Brooklyn, N. Y.
Lewis Mfg. Co., E. P. Garland, Sales Mgr., West St., Walpole, Mass.
Maryland Waste Co., Wm. A. Lubowitz, Pres., 1550 Ridgely St., Balto., Md.
Mathes, G., Co., J. Mathes, Pres., 3100 N. Broadway, St. Louis, Mo.
Meagher's, James, Sons, Joseph Meagher, jr., Sec., 270 Napoleon St., San Francisco, Calif.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Balto., Md.
Robinson, D., & Sons, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Scheinman-Neaman Co., I. L. Scheinman, partner, 1022 Victory St., Pittsburgh, Pa.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wampanoag Mills, Albin C. Cook, Treas., 69 Alden St., Fall River, Mass.
Wisconsin Textile By-Product Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.
Woodward Baldwin Co., G. Brent Dorsey, partner, 43 Worth St., New York, N. Y.

Spec. 252b, UNBLEACHED CHEESECLOTH

Acworth Mills, H. S. Mason, Treas., Acworth, Ga.
Border City Mfg. Co., Chas. F. Winslow, Bkpr., Weaver St., Fall River, Mass.
Clifton Mfg. Co., J. C. Evins, Pres., Clifton, S. C.
Consolidated Textile Corp., J. C. Saunders, Mgr., Bonham, Tex.
Durfee Mills, Frank P. Coolidge, Treas., Pleasant St., Fall River, Mass.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
Griswoldville Mfg. Co., Richard L. Moyle, V. Pres., 56 Worth St., New York, N. Y.
Harmony Mills, J. Skinner, Treas., 38 Worth St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, owner, 615 Chestnut St., Phila., Pa.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Laurel Lake Mills, Paul Gifford, Treas., 484 Globe St., Fall River, Mass.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
Robinson, D., & Sons, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wampanoag Mills, Albin C. Cook, Treas., 69 Alden St., Fall River, Mass.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Woodward Baldwin Co., G. Brent Dorsey, partner, 43 Worth St., New York, N. Y.

Spec. 253b, BLEACHED CHEESECLOTH

Ferer, Aaron, & Sons., (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Griswoldville Mfg. Co., Richard L. Moyle, V. Pres., 56 Worth St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, owner 615 Chestnut St., Phila., Pa.
Hurwitz, D., & Sons., Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
Robinson D., & Sons, Charles Robinson, Mem. of firm, 1342 Harper Ave., Detroit, Mich.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.

Spec. 254c, BROWN DENIM (SHRUNK)

(Now being revised.)

Spec. 255b, BROWN DENIM (UNSHRUNK)

Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Wellington, Sears & Co., Norman S. Hopes, Mem. firm, 65 Worth St., New York, N. Y.

Spec. 256c, INDIGO BLUE DENIM (SHRUNK)

Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Cone Export & Commission Co., S. F. Dennan, V. Pres., 343 Broadway, New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Wellington, Sears Co., Charles O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.

Spec. 257b, INDIGO BLUE DENIM (UNSHRUNK)

Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
El Paso Cotton Mills Co., A. R. Henderson, V. Pres., Box 143, El Paso, Tex.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Industrial Cotton Mills, L. D. Pitts, Pres., Rock Hill, S. C.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Stonewall Cotton Mills, A. C. Frank, V. Pres., Stonewall, Miss.
Wellington, Sears & Co., Chas. O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.

Spec. 259a, COLORED COTTON RAGS (FOR WIPING MACHINERY) (STERILIZED)

Acme Sanitary Wiper & Waste Co., Wm. F. Schmitz, Sec., 481 31st St., Milwaukee, Wis.
American Sanitary Rag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Baylis Sanitary Supply Co., Henry C. Baylis, Pres., 341 W. Superior St., Chicago, Ill.
Belsky, Charles, & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Berman, P. H., & Son, Benj. Berman, Mem. firm, 3425 Market St., Phila., Pa.
Briggs, Chas. H., & Co., Chas. H. Briggs, Pres., 180 N. Wacker Drive, Chicago, Ill.
Carpenter, Geo. B., & Co., Fred A. McLauchlan, V. Pres., 440 N. Wells St., Chicago, Ill.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker St., Phila., Pa.
Dallas Waste Mills, C. B. FitzWilliam, Sec., Lattimer & Clarence St., Dallas, Tex.
Egan Waste Co., John J. Dingfelder, V. Pres., 168 Front St., New York, N. Y.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
Godfrey Wiping Rag Corp., A. Merwin Godfrey, Pres., 601 Sackett St., Brooklyn, N. Y.
Hagy, J. Milton, Waste Works, John S. Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, owner, 615 Chestnut St., Phila., Pa.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greens St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Keystone Sanitary Supply Co., S. Davis, partner, 19 Hamilton St., Greensburg, Pa.
Lord's, John, Sons, Harry Lord, owner, 3828–3830 Terrace St., Phila., Pa.
Maryland Waste Co., Wm. A. Lubowitz, Pres., 1550 Ridgely St., Balto., Md.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
Mathes, G., Co., J. Mathes, Pres., 3100 N. Broadway, St. Louis, Mo.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Phila., Pa.
Meagher's, James, Sons, Joseph Meagher, jr., Sec., 270 Napoleon St., San Francisco, Calif.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.

National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Balto., Md.
Pacific Iron & Metal Co., J. Glant, owner, 2213 1st Ave. S., Seattle, Wash.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Robinson, D. & Son, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maier, Sec., 30 E. Grand St., Rahway, N. J.
Scheinman-Neaman Co., J. L. Scheinman, partner, Pittsburgh, Pa.
Sibbett, W. R., Co. (Inc.), O. Bergsten, Pres., 550 Poplar St., Oakland, Calif.
South Atlantic Waste Co., E. F. McGowan, Treas., N. Bernard St., Charlotte, N. C.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wallworth's Sons, J., F. T. Wallworth, Mem. of firm, 8th & Mulberry Sts., Upland, Pa.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 260, WIPING CLOTHS

Acme Sanitary Wiper & Waste Co., Wm. F. Schmitz, Sec., 481–489 31st., Milwaukee, Wis.
American Sanitary Bag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Belsky, Chas., & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St. Holyoke, Mass.
Chicago Sanitary Rag Co., Morris B. Goldberg, Sec., 2139 S. Loomis St., Chicago, Ill.
Dallar Waste Mills, C. B. FitzWilliam, Sec., Lattimer & Caroline Sts., Dallas, Tex.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
Fulton Bag & Cotton Mills, J. Elasas Phillips, Dept. Mgr., P. O. Box 1726, Atlanta, Ga.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hurwitz, D., Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop, 50 Cliff St., New York, N. Y.
Katzenstein, M., & Son, James C. Katzenstein, owner, 3 Johnson Ave., Brooklyn, N. Y.
Maryland Waste Co., Wm. A. Lubowitz, Pres., 1550 Ridgely St., Balto., Md.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
Mathes, G., Co., J. Mathes, Pres., 3100 N. Broadway, St. Louis, Mo.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Phila., Pa.
Moyer, Walter W., Walter W. Moyer, Prop., Ephrata, Pa.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Balto., Md.
Pacific Iron & Metal Co., J. Glant, owner, 2213 1st Ave., S., Seattle, Wash.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Robinson, D., & Son, Chas. Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maier, Sec., 30 E. Grand St., Rahway, N. J.
Scheinman-Neaman Co., I. L. Scheinman, partner, Pittsburgh, Pa.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.
Woodward, Baldwin Co., G. Brent Dorsey, partner, 43 Worth St., New York, N. Y.

Spec. 261a, WHITE COTTON RAGS FOR WIPING MACHINERY (STERILIZED)

Acme Sanitary Wiper & Waste Co., Wm. F. Schmitz, Sec., 481 31st St., Milwaukee, Wis.
American Sanitary Rag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Bay City Sanitary Rag Co., W. R. Sibbett, jr., Mgr., 680 Second St., Oakland, Calif.
Baylis Sanitary Supply Co., Henry Baylis, Pres., 341 W. Superior St., Chicago, Ill.
Belsky, Charles, & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Berman, P. H., & Son, Benj. Berman, Mem. firm, 3425 Market St., Phila., Pa.
Briggs, Chas. H., & Co., Chas. H. Briggs, Pres., 180 N. Wacker Drive, Chicago, Ill.
Carpenter, Geo. B., Co., Fred A. McLauchlan, V. Pres., 440 N. Wells St., Chicago, Ill.
Chicago Sanitary Rag Co., Morris B. Goldberg, Sec., 2139 S. Loomis St., Chicago, Ill.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker Sts., Phila., Pa.
Dallas Waste Mills, C. B. FitzWilliam, Sec., Lattimer & Clarence Sts., Dallas, Tex.
Egan Waste Co., John J. Dingfelder, V. Pres., 168 Front St., New York, N. Y.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
Godfrey Wiping Rag Corp., A. Merwin Godfrey, Pres., 601 Sackett St., Brooklyn, N. Y.
Hagy, J. Milton, Waste Works, J. M. Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, owner, 615 Chestnut St., Phila., Pa.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, owner, 50 Cliff St., New York, N. Y.
Keystone Sanitary Supply Co., S. Davis, partner, 19 Hamilton St., Greensburg, Pa.

Lord's, John, Sons, Harry Lord, owner, 3828 Terrace St., Phila., Pa.
Maryland Waste Co., Wm. A. Lubowitz, Pres., 1550 Ridgely St., Balto., Md.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
Mathes, G., Co., J. Mathes, Pres., 3100 N. Broadway, St. Louis, Mo.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Phila., Pa.
Meagher's, James, Sons, Joseph Meagher, jr., Sec., 270 Napoleon St., San Francisco, Calif.
Milwaukee Wiper Co. (Inc.), C. S. Winter, Sec., 280 Pittsburgh Ave., Milwaukee, Wis.
Mystic Waste Co. (Inc.), John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Carolina St., Balto., Md.
Pacific Iron & Metal Co., J. Glant, owner, 2213 1st Ave., S., Seattle, Wash.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Robinson, D., & Son, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maiser, Sec., 30 E. Grand St., Rahway, N. J.
Scheinman-Neaman Co., I. L. Scheinman, partner, Pittsburgh, Pa.
Sibbett, W. R., Co. (Inc.), O. Bergsten, Pres., 550 Poplar St., Oakland, Calif.
South Atlantic Waste Co., E. F. McGowan, Treas., North Brevard St., Charlotte, N. C.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wallworth's Sons, J., F. T. Wallworth, Mem. of firm, 8th & Mulberry Sts., Upland, Pa.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 262a, WHITE COTTON WASTE

American Sanitary Rag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Baylis Sanitary Supply Co., Henry C. Baylis, Pres., 341 W. Superior St., Chicago, Ill.
Belsky, Chas., & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Bishop, Robert, Mfg. Co., Robert Bishop, Treas., 157 W. Sixth St., S. Boston, Mass.
Bowman, D. F., Co. (Inc.), J. J. Streepey, V. Pres., 315 W. Main St., New Albany, Ind.
Briggs, Chas. H., & Co., Chas. H. Briggs, Pres., 180 N. Wacker Drive, Chicago, Ill.
Buffalo Batt & Felt Corp., D. Goldstein, Treas., Ellicott Rd., Depew, N. Y.
Carpenter, Geo. B., Co., Fred A. McLauchlan, V. Pres., 440 N. Wells St., Chicago, Ill.
Chicago Sanitary Rag Co., Morris B. Goldberg, Sec., 2139 S. Loomis St., Chicago, Ill.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker St., Phila, Pa.
Dallas Waste Mills, O. B. FitzWilliam, Sec., Lattimer & Clarence Sts., Dallas, Tex.
Egan Waste Co., John J. Dingfelder, V. Pres., 168 Front St., New York, N. Y.
Flower Waste & Packing Co., J. E. Boyle, Sec., 30 Grand St., Rahway, N. J.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Hitheon, W. W., jr., & Co., W. W. Hitheon, part owner, 151 W. Glenwood Ave., Phila., Pa.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Lillie, Dexter P., Co., L. H. Baker, Sec., 24 Front St., Indian Orchard, Mass.
Lord's, John, Sons, Harry Lord, owner, 3828 Terrace St., Phila., Pa.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Philadelphia, Pa.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Balto., Md.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Riverside Mills, F. M. Hefferman, 1st V. Pres., 11th & Tatnall Sts., Augusta, Ga.
Robinson, D., & Son, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maier, Sec., 30 E. Grand St., Rahway, N. J.
South Atlantic Waste Co., E. F. McGowan, Treas., North Brevard St., Charlotte, N. C.
Standard Waste Mfg. Co. (Inc.), Chas. C. Ankrum, Pres., 2306 American St., Phila., Pa.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wallworth's Sons, J., F. T. Wallworth, Mem. of firm, 8th & Mulberry Sts., Upland, Pa.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 263a, COLORED COTTON WASTE

American Sanitary Rag Co., Samuel Dry, V. Pres., 1415 Dayton St., Chicago, Ill.
Baylis Sanitary Supply Co., Henry C. Baylis, Pres., 341 W. Superior St., Chicago, Ill.
Belsky, Chas., & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Bishop, Robert, Mfg. Co., Robert Bishop, Treas., 157 W. Sixth St., S. Boston, Mass.
Bowman, D. F., Co. (Inc.), J. J. Streepey, V. Pres., 315 W. Main St., New Albany, Ind.
Briggs, Chas. H., & Co., Chas. H. Briggs, Pres., 180 N. Wacker Drive, Chicago, Ill.
Buffalo Batt & Felt Corp., D. Goldstein, Treas., Ellicott Rd., Depew, N. Y.
Carpenter, Geo. B., Co., Fred A. McLauchlan, V., Pres., 440 N. Wells St., Chicago, Ill.

Chicago Sanitary Rag Co., Morris B. Goldberg, Sec., 2139 S. Loomis St., Chicago, Ill.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker Sts., Phila., Pa.
Dallas Waste Mills, C. B. FitzWilliam, Sec., Lattimer & Clarence Sts., Dallas, Tex.
Egan Waste Co., John J. Dingfelder, V. Pres., 168 Front St., New York, N. Y.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Hitchon, W. W., jr., & Co., W. W. Hitchon, jr., part-owner, 151 W. Glenwood Ave., Phila., Pa.
Hurwitz, D., Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Lillie, Dexter P., Co., L. H. Baker, Sec., 24 Front St., Indian Orchard, Mass.
Lord's, John, Sons, Harry Lord, owner, 3828 Terrace St., Phila., Pa.
Majestic Packing & Rubber Corp., G. E. Schwartz, Pres., 287 Broadway, New York, N. Y.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Phila., Pa.
National Waste Co., C. R. Lang, Sec., 935 N. Halsted St., Chicago, Ill.
National Wiping Cloth Co. (Inc.), Joseph A. DiDio, Gen. Mgr., 2513 N. Second St., Phila., Pa.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Balto., Md.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Riverside Mills, F. M. Hefferman, 1st V. Pres., 11th & Tatnall Sts., Augusta, Ga.
Robinson, D., & Sons, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maier, Sec., 30 E. Grand St., Rahway, N. J.
South Atlantic Waste Co., E. F. McGowan, Treas., N. Brevard St., Charlotte, N. C.
Standard Waste Mfg. Co. (Inc.), Charles C. Ankrum, Pres., 2306 N. American St., Phila., Pa.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
Stratford, George, Oakum Co., A. C. Stratford, Pres., 160 Cornelison Ave., Jersey City, N. J.
Sweetland Waste Co., Philip Benson, Pres., 134 Tudor St., S. Boston, Mass.
United States Wiping Material Co., Jerome Lipowitz, Partner, 314 S. Main St., St. Louis, Mo.
Wallworth's Sons, J., F. T. Wallworth, Mem. of firm, 8th & Mulberry Sts., Upland, Pa.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 264a, COLORED WOOL WASTE

Baylis Sanitary Supply Co., Henry C. Baylis, Pres., 341 W. Superior St., Chicago, Ill.
Belsky, Chas., & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Bentley, Joseph, Hair Co., John M. Bentley, Pres., Pelham Ave., Methuen, Mass.
Buffalo Batt & Felt Corp., D. Goldstein, Treas., Ellicott Rd., Depew, N. Y.
Carpenter, Geo. B., Co., Fred A. McLauchlan, V. Pres., 440 N. Wells St., Chicago, Ill.
Corr, Patrick, & Sons (Inc.), Leon Corr, Trenton Ave., Oakdale & Tucker Sts., Phila., Pa.
Dallas Waste Mills, C. B. FitzWilliam, Sec., Lattimer & Clarence Sts., Dallas, Tex.
Egan Waste Co., John J. Dingfelder, V. Pres., 168 Front St., New York, N. Y.
Flower Waste & Packing Co., J. E. Boyle, Sec., 30 Grand St., Rahway, N. J.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Hitchon, W. W., jr., & Co., W. W. Hitchon, jr., part owner, 151 W. Glenwood Ave., Phila., Pa.
Lillie, Dexter P., Co., L. H. Baker, Sec., 24 Front St., Indian Orchard, Mass.
Lord's, John, Sons, Harry Lord, owner, 3828 Terrace St., Phila., Pa.
Massasoit Mfg. Co., John Foley, Asst. Treas., 136 Pocasset St., Fall River, Mass.
McGrath, John J., John J. McGrath, owner, 1340 N. Front St., Phila., Pa.
Radinsky, A. D., A. D. Radinsky, Prop., 2000 W. Colfax Ave., Denver, Colo.
Riverside Mills, F. M. Hefferman, 1st V. Pres., 11th & Tatnall Sts., Augusta, Ga.
Robinson, D., & Son, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. W. Maier, Sec., 30 E. Grand St., Rahway, N. J.
Sibbett, W. R., Co. (Inc.), O. Bergsten, Pres., 550 Poplar St., Oakland, Calif.
Standard Waste Mfg. Co. (Inc.), Charles C. Ankrum, Pres., 2306 N. American St., Phila., Pa.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
Wallworth's Sons, J., F. T. Wallworth, Mem. of firm, 8th & Mulberry Sts., Upland, Pa.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calumet Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 265a, BLACK WATERPROOF DRAWING INK

Abbey, R. A., Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.
Diamond Ink Co., Robert R. Ritz, Pres., 817 34th St., Milwaukee, Wis.
Higgins, Chas. M., & Co., Tracy Higgins, Gen. Mgr., 271 9th St., Brooklyn, N. Y.
Keuffel & Esser Co., W. G. Keuffel, Pres., 3rd & Adams Sts., Hoboken, N. J.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.
Weil, J. H., & Co., Walter A. Kohen, Mem. firm, 1315 Cherry St., Phila., Pa.

Spec. 266a, INDELIBLE MARKING INK FOR FABRICS

Abbey, R. A., Co., R. A. Abbey, owner, 1109 Jackson St., Scranton, Pa.
American Mfg. Co., Charles Hock, Mgr., 465 Jackson Ave., New York, N. Y.
Applegate Chemical Co., Harry R. Applegate, Prop., 5630 Harper Ave., Chicago, Ill.
Carter's Ink Co., Walter F. Wyman, Gen. sales Mgr., 239 First St., Cambridge, Mass.
Davids, Thaddeus, Ink Co. (Inc.), W. J. Walsh, sales Mgr., 95 Vandam St., New York, N. Y.
Diamond Ink Co., Robert R. Ritz, Pres., 817 34th St., Milwaukee, Wis.
Kaumagraph Co., Trowbridge Marston, Pres., 200 Varick St., New York, N. Y.
Kohnstamm, H., & Co. (Inc.), Joseph Kohnstamm, Treas., 83 Park Place, New York, N. Y.
Levison & Blythe Mfg. Co., F. W. Palmer, Pres., 209 Locust St., St. Louis, Mo.
Luther Ink & Stamp Pad Co., Henry J. Luther, Pres., 55 E. Park St., Newark, N. J.
National Marking Machine Co., A. R. Goodall, Mem. firm, 4022 Cherry St., Cincinnati, Ohio.
Payson's Indelible Ink Co., Robert L. Williston, Treas., 28 Henshaw Ave., Northampton, Mass.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Wallior Chemical Works, F. A. Wallior, owner, 528 Dauphine St., New Orleans, La.
Weber, F. Co., E. G. Weber, Pres., 1220 Buttonwood St., Phila., Pa.

Spec. 268a, FIRE-CLAY BRICK

Ashland Fire Brick Co., E. M. Weinfurtner, Sec., Ashland, Ky.
Athens Brick & Tile Co., C. H. Coleman, Pres., Athens, Tex.
Brooklyn Fire Brick Works, M. J. Kelley, V. Pres., 88 Van Dyke St., Brooklyn, N. Y.
Clayburn Co. (Ltd.), J. H. Roaf, Mgr. Dir., 216 Walker Bldg., Second Ave., Seattle, Wash.
Dee, Wm. E., Co., Henry F. Krieg, Mgr. Refractories Div., 30 N. LaSalle St., Chicago, Ill.
Denver Fire Clay Co., Harold A. Bosworth, Pres., 1742 Champa St., Denver, Colo.
Diamond Fire Brick Co., H. F. Bowen, Treas., Canon City, Colo.
Evens & Howard Fire Brick Co., R. M. Sievers, V. Pres., 920 Market St., St. Louis, Mo.
Fulton Fire Brick Co., L. N. Nickell, Pres., Fulton, Mo.
Garfield Fire Clay Co., P. A. Robinson, Sec., Robinson, Pa.
General Refractories Co., E. A. McKelvy, V. Pres., 106 S. 16th St., Phila, Pa.
Gladding, McBean & Co., H. B. Power, Sec., 621 South Hope St., Los Angeles, Calif.
Golden Fire Brick Co., Paul Brown, Sec., 1936 15th St., Denver, Colo.
Green, A. P., Fire Brick Co., J. Harrison Brown, Sec., Mexico, Mo.
Harbison-Walker Refractories Co., Kenneth Seaver, Gen. sales Mgr., 1800 Farmers Bank Bldg., Pittsburgh, Pa.
Ironton Fire Brick Co., C. E. Bales, Production Mgr., Ironton, Ohio.
Jersey City Refractories Co., A. E. Acheson, Pres., 135 W. Side Ave., Jersey City, N. J.
Laclede Christy Clay Products Co., John H. McGelvey, V. Pres., 1711 Ambassador Bldg., St. Louis, Mo.
Mitchell Clay Mfg. Co., C. W. Berry, sales Mgr., 5627 Manchester Ave., St. Louis, Mo.
Niles Fire Brick Co., P. J. Sheehan, in charge of operations, E. Park Ave., Niles, Ohio.
Oak Hill Fire Brick & Coal Co., D. W. Morgan, Gen. Mgr., Oak Hill, Ohio,
Ostrander Fire Brick Co., J. W. F. Podmore, Treas., Woodbridge, N. J.
Portsmouth Refractories Co., W. B. Hitchcock, V. Pres., 2700 Gallia St., Portsmouth, Ohio.
Queen's Run Refractories Co. (Inc.), Geo. H. Diack, Gen. Mgr., W. Water St., Lock Haven, Pa.
St. Louis Fire Brick Co., Louis J. Porri, sales Mgr., Boyle & Slauson Ave., Huntington Park, Calif.
Savage Mountain Fire Brick Co., V. L. Wallett, Sec., Mt. Union, Pa.
Sayre & Fisher Brick Co., F. M. Townley, Sec., Sayreville, N. J. (For classes H 25, H 75, M 7, M 73, only.)
Sneyd Enameled Brick Co., C. F. Clark, Sec., New York Ave. & Plum St., Trenton, N. J.
Taylor, Chas., Sons Co., M. C. Booze, V. Pres., 706 Burns St., Cincinnati, Ohio. (For classes H 57, H 75, and M 73 only.)
Thornton Fire Brick Co., D. R. Potter, Treas., 910 Gaff Bldg., Clarksburg, W. Va.
United States Refractories Corp., V. L. Wallett, Sec., Mount Union, Pa.
Valentine, M. D., & Bros. Co., W. H. Peterson, V. Pres., Fulton St., Woodbridge, N. J.
Vitrefrax Corp., Ralph W. Brown, Treas., 5050 Pacific Blvd., Los Angeles, Calif.
Washington Brick Lime & Sewer Pipe Co., V. E. Piollet, V. Pres., S. 151 Washington St., Spokane, Wash.
Westmoreland Brick Co., Jno. C. Leitch, V. Pres., Federal Reserve Bldg., Pittsburgh, Pa.

Spec. 275, ROAD OIL FOR HOT APPLICATION (TYPE OH-1-25)

American Asphalt Roof Corp., E. E. Vernick, Sec., 15th & Blue River, Kansas City, Mo.
Barber Asphalt Co., C. W. Bayliss, V. Pres., 1600 Arch St., Phila., Pa.
Beacon Oil Co. (Inc.), L. J. Walsh, V. Pres., 30 Beacham St., Everett, Mass.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Gilmore Oil Co., W. G. Julien, Asst. Sec., 2423 E. 28th St., Los Angeles, Calif.
Magnolia Petroleum Co., B. H. Stephens, V. Pres., P. O. Box 1667, Dallas, Tex.
Midwest Refining Co., H. B. Carpenter, Mgr., Asphalt Dept., 1st Nat. Bank Bldg., Denver, Colo.
New England Oil Refining Co., J. L. Dornell, V. Pres., Fall River, Mass.

New Orleans Refining Co. (Inc.), L. W. Law, Mgr., asphalt sales Dept., 900 United Fruit Bldg., New Orleans, La.

Pan American Petroleum Co., J. R. Keane, Mgr., fuel oil & asphalt sales, 10th & Flower Sts., Los Angeles, Calif.

Sinclair Refining Co. of La. (Inc.), F. W. Froley, 916 New Orleans Bank Bldg. New Orleans, La.

Standard Oil Co. (Calif.), J. K. Jirth, jr., Mgr., fuel oil & asphalt Div., 225 Bush St., San Francisco, Calif.

Standard Oil Co. (Ind.), C. C. Lakin, Mgr., asphalt & road oil Dept., 910 S. Michigan Ave., Chicago, Ill.

Standard Oil Co. (N. J.), C. G. Sheffield, Asphalt Dept., 26 Broadway, New York, N. Y.

Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.

Spec. 276a, ASPHALT FOR USE IN ROAD AND PAVEMENT CONSTRUCTION

American Asphalt Roof Corp., E. E. Vernick, Sec., 15th & Blue River, Kansas City, Mo.

Barber Asphalt Co., C. W. Bayliss, V. Pres., 1600 Arch St., Phila., Pa.

Beacon Oil Co. (Inc.), L. J. Walsh, V. Pres., 30 Beacham St., Everett, Mass.

Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.

Kentucky Rock Asphalt Co. (Inc.), W. A. Brownfield, Ch. Engr., 716 M. E. Taylor Bldg., Louisville Ky.

Midwest Refining Co., H. B. Carpenter, Mgr. asphalt Dept., 1st Nat. Bank Bldg., Denver, Colo.

New Orleans Refining Co. (Inc.), L. W. Law, Mgr. asphalt sales Dept., 900 United Fruit Bldg., New Orleans, La. (Following designations only: AP—1—25, AP—2—25, AP—3—25, AP—5—25, AP—6—25, AP—7—25.)

Pan American Petroleum Co., J. R. Keane, Mgr. fuel oil & asphalt sales, 10th & Flower Sts., Los Angeles, Calif.

Pioneer Asphalt Co., R. I. Wishnick, Pres., 251 Front St., New York, N. Y.

Sinclair Refining Co. of La. (Inc.), F. W. Froley, 916 New Orleans Bank Bldg., New Orleans, La.

Standard Oil Co. (Calif.), J. K. Jirth, jr., Mgr., fuel oil & asphalt Div., 225 Bush St., San Francisco, Calif.

Standard Oil Co. (Ind.), C. C. Lakin, Mgr., asphalt & road oil Dept., 910 S. Michigan Ave., Chicago, Ill.

Standard Oil Co. (La.), H. C. Ehrenfels, Mgr. asphalt Dept., St. Charles & Jackson Sts., New Orleans, La. (Following designations only: AP—2—25, AP—3—25, AP—5—25, AP—6—25, AP—7—25.)

Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.

Standard Oil Co. (N. Y.), B. L. Boye, Asst. Mgr., road oil & asphalt Dept., 26 Broadway, New York, N. Y.

Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 277, PETROLEUM ASPHALT FOR JOINT FILLER (SQUEEGEE OR POURING METHOD) (TYPE PAF—1—25)

American Asphalt Roof Corp., E. E. Vernick, Sec., 15th & Blue River, Kansas City, Mo.

Barber Asphalt Co., C. W. Bayliss, V. Pres., 1600 Arch St., Phila., Pa.

Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.

Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.

Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.

Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.

Lehon Co., T. W. Shoop, V. Pres., 44th St. on Oakley Ave., Chicago, Ill.

Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.

Magnolia Petroleum Co., B. H. Stephens, V. Pres., Box 1667, Dallas, Tex.

Midwest Refining Co., H. B. Carpenter, Mgr., asphalt Dept., 1st Nat. Bank Bldg., Denver, Colo.

National Asbestos Mfg. Co., C. S. Brooke, V. Pres., 163 Henderson St., Jersey City, N. J.

New Orleans Refining Co. (Inc.), L. W. Law, Mgr. asphalt sales Dept., 900 United Fruit Bldg., New Orleans, La.

Pan American Petroleum Co., J. R. Keane, Mgr. fuel oil & asphalt sales, 10th & Flower Sts., Los Angeles, Calif.

Pioneer Asphalt Co., J. Young, Pres., 251 Front St., New York, N. Y.

Servicised Products Corp., H. Fischer, Pres., 6051 W. 65th St., Chicago, Ill.

Sinclair Refining Co. of La. (Inc.), F. W. Froley, 916 New Orleans Bank Bldg., New Orleans, La.

Standard Oil Co. (Calif.), J. K. Jirth, jr., Mgr., fuel oil & asphalt Div., 225 Bush St., San Francisco, Calif.

Standard Oil Co. (Ind.), C. C. Lakin, Mgr., asphalt & road oil Dept., 910 S. Michigan Ave., Chicago, Ill.

Standard Oil Co. (N. J.), C. G. Sheffield, asphalt Dept., 26 Broadway, New York, N. Y.

Standard Oil Co. (N. Y.), B. L. Boye, Asst. Mgr., road oil & asphalt Dept., 26 Broadway, New York, N. Y.

Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 278, OUTSIDE WHITE TITANIUM-ZINC PAINT (SEMIPASTE AND READY MIXED)

(Now being revised.)

Spec. 279, TARS FOR COLD APPLICATION

American Tar Co., Chas. P. Price, Mgr., 169 Massachusetts Ave., Boston, Mass.
American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Eclipse Paint & Color Co., C. P. Cox, sales Mgr., 105 N. 7th St., St. Louis, Mo.
Gohcen Corp. of N. J., N. F. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Jennison Wright Co., C. R. Faben, Mgr. Tar Prod. Dept., 2463 Broadway, Toledo, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Magnolia Petroleum Co., B. H. Stephens, V. Pres., Box 1667, Dallas, Tex.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
New Bedford Gas & Edison Light Co., R. Lindsay, Mgr. Gas Dept., Purchase St., New Bedford, Mass.
No-Leak Roofing & Paint Co., R. A. Buch, Pres., Beechwood Ave., Toledo, Ohio.
Sherwin Williams Co., A. Larkins, Mgr. Gov. sales, 601 Canal Rd., Cleveland, Ohio.
Tar Products Corp., M. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 280, REFINED TAR FOR HOT APPLICATION (TYPE TH-1-25)

American Tar Co., C. P. Price, Mgr., 169 Massachusetts Ave., Boston, Mass.
American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Jennison-Wright Co., C. R. Faben, Mgr., Tar Products Dept., 2463 Broadway, Toledo, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Magnolia Petroleum Co., B. H. Stephens, V. Pres., Box 1667, Dallas, Tex.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
New Bedford Gas & Edison Light Co., R. Lindsay, Mgr. Gas Dept., Purchase St., New Bedford, Mass.
Portland Gas & Coke Co., E. L. Hall, Gen. Supt., Portland, Oreg.
Sherwin Williams Co., A. Larkins, Mgr. Gov. sales, 601 Canal Rd., Cleveland, Ohio.
Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.

Spec. 281, TAR FOR USE IN REPAIR WORK

American Tar Co., C. P. Price, Mgr., 169 Massachusetts Ave., Boston, Mass.
American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburgh, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St. Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Jennison-Wright Co., C. R. Faben, Mgr., Tar Prod. Dept., 2463 Broadway, Toledo, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Magnolia Petroleum Co., B. H. Stephens, V. Pres., Box 1667, Dallas, Tex.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
New Bedford Gas & Edison Light Co., R. Lindsay, Mgr. Gas Dept., Purchase St., New Bedford, Mass.
Portland Gas & Coke Co., E. L. Hall, Gen. Supt., Portland, Oreg.
Sherwin Williams Co., A. Larkins, Mgr. Gov. sales, 601 Canal Rd., Cleveland, Ohio.
Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 282, REFINED TAR FOR CONSTRUCTION

American Tar Co., C. P. Price, Mgr., 169 Massachusetts Ave., Boston, Mass.
American Tar Products Co., E. O. Rhodes, Chem. Dir., Union Trust Bldg., Pittsburg, Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Cabot, Samuel (Inc.), M. G. Bennett, Treas., 141 Milk St., Boston, Mass.
Coopers Creek Chemical Co., R. J. Titzel, V. Pres., W. Conshohocken, Pa.
Crowley Tar Products Co., D. L. Crowley, Gen. Mgr., 415 Lexington Ave., New York, N. Y.
Jennison-Wright Co., C. R. Faben, Mgr., Tar Prod. Dept., 2463 Broadway, Toledo, Ohio.
Lewis, F. J., Mfg. Co., E. F. Curda, V. Pres., 2500 S. Robey St., Chicago, Ill.
Magnolia Petroleum Co., B. H. Stephens, V. Pres., Box 1667, Dallas, Tex.

Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Baltimore, Md.
New Bedford Gas & Edison Light Co., R. Lindsay, Mgr. Gas Dept., Purchase St., New Bedford, Mass.
Portland Gas & Coke Co., E. L. Hall, Gen. Supt., Portland, Oreg. (Grades TP—2—25, TP—4—25, and TP—6—25 only.)
Sherwin Williams Co., A. Larkins, Mgr. Gov. sales, 601 Canal Rd., Cleveland, Ohio.
Tar Products Corp., B. D. Gill, V. Pres., 99 Empire St., Providence, R. I.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 283, PUTTY

(Now being revised.)

Spec. 287, TUBING, COPPER, SEAMLESS, AND PIPE, COPPER, SEAMLESS, STANDARD IRON PIPE SIZE

American Brass Co., L. B. Comstock, Mgr. Torrington branch, 414 Meadow St., Waterbury, Conn.
Badger, E. B., & Sons Co., H. W. Coombs, sales Mgr., 75 Pitts St., Boston, Mass.
Baltimore Tube Co. (Inc.), R. S. Stringer, sales Mgr., Ostend & Wicomico Sts., Balto., Md.
Bridgeport Brass Co., W. R. Webster, V. Pres., E. Main St., Bridgeport, Conn.
British American Tube Co. (Inc.), W. Brown, Pres., 233 Broadway, New York, N. Y.
Chase Cos. (Inc.), R. L. Coe, Sec., 236 Grand St., Waterbury, Conn.
Detroit Copper & Brass Rolling Mills, Alex. Henderson, works Mgr., 174 S. Clark Ave., Detroit, Mich.
Hillman, H. M., H. M. Hillman, Prop., 59 Pearl St., New York, N. Y.
Interstate Brass & Copper Co., E. F. Snerbe, Sec., 13 N. Peoria St., Chicago, Ill.
Jolley & Co., J. H., John Jolley, jr., Mem. firm, 42 N. 5th St., Phila., Pa.
Mackenzie-Walton Co., J. M. Mackenzie, Treas., Pawtucket Ave., Pawtucket, R. I. (Tubing, copper, seamless, only.)
Merchant & Evans Co., A. T. Armstrong, 2035 Washington Ave., Phila., Pa.
Mueller Brass Co., F. L. Riggin, Sec., 1925 Lapeer Ave., Port Huron, Mich.
National Copper & Smelting Co., H. B. Smith, Sec., 1895 Coltman Rd., Cleveland, Ohio.
National Valve & Mfg. Co., Lee Rodgers, V. Pres., 3101 Liberty Ave. Pittsburgh, Pa.
Penn Brass & Copper Co., K. W. Wilks, Mgr., 1120 W. 18th St., Erie, Pa.
Randolph-Clowes Co., H. I. Farnum Sec., 384 Bank St., Waterbury, Conn.
Rome Brass & Copper Co., N. S. Thomas, Asst. Treas., Bouck St., Rome, N. Y.
Scovill Mfg. Co., H. W. Adams, jr., Asst. Gen. Mgr., 99 Mill St., Waterbury, Conn.
Standard Underground Cable Co., Edward Kerschner, Southeastern Mgr., 703 Wilkins Bldg., Washington, D. C.
Summerill Tubing Co., N. H. Wolf, Mgr., Bridgeport, Pa.
United Wire & Supply Co., T. F. Hughes, Gen. Mgr., 1497 Elmwood Ave., Providence, R. I.
Wheeler Condenser & Engineering Co., H. S. Brown, V. Pres., 149 Broadway, New York, N. Y.

Spec. 291, FRICTION TAPE

Ackurate Rubber Co. (Inc.), W. C. Candee, Pres., 25 Beaver St., New York, N. Y.
Boston Woven Hose & Rubber Co., P. G. Alexander, Tape Div. sales Mgr., Box 5077, Boston, Mass.
Commercial Electrical Supply Co., R. H. Geiser, Pur. Agt., 320 S. Broadway, St. Louis, Mo.
Dryden Rubber Co., Geo. C. Reeves, V. Pres., 1014 S. Kildare Ave., Chicago, Ill.
Elkhart Rubber Works, A. J. Stryker, Treas., Elkhart, Ind.
Fine Rubber Co., I. L. Fine, Malden, Mass.
Firestone Tire & Rubber Co., J. J. Shea, Treas., S. Main St., Akron, Ohio.
Fleig Corp., H. Peterson, Asst. Sec., 325 W. Ohio St., Chicago, Ill.
Graybar Electric Co. (Inc.), W. H. Leathers, Mgr. Govt. Dept., 100 E. 42nd St., New York, N. Y.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Mechanical Rubber Co., W. Huether, Mgr. sales, 1790 Broadway, New York, N. Y.
Okonite Co., Lewis G. Martin, V. Pres., Canal St., Passaic, N. J.
Plymouth Rubber Co. (Inc.), W. H. Bieringer, V. Pres., 19 Revere St., Canton, Mass.
Salisbury, W. H. & Co. (Inc.), T. R. Claffey, sales Mgr., 308 W. Madison St., Chicago, Ill.
Superior Insulating Tape Co., J. S. Schweick, Gen. Mgr., 3046 Lambdin Ave., St. Louis, Mo.
United States Rubber Co., S. A. Coombs, Asst. Mgr. Mech. sales, 1790 Broadway, New York, N. Y.
Van Cleef Bros., Paul Van Cleef, Mem. firm, 7720 Woodlawn Ave., Chicago, Ill.
Westinghouse Electric & Mfg. Co., T. D. Halliwell, Mgr. wiring devices Sec., East Pittsburgh, Pa.

Spec. 292, RUBBER INSULATING TAPE

Ackurate Rubber Co. (Inc.), W. C. Candee, Pres., 25 Beaver St., New York, N. Y.
Boston Woven Hose & Rubber Co., P. G. Alexander, Tape Div. sales Mgr., Box 5077, Boston, Mass.
Commercial Electrical Supply Co., R. H. Geiser, Pur. Agt., 320 S. Broadway, St. Louis, Mo.
Dunton, M. W., Co., E. L. Halligan, Mgr., 670 Eddy St., Providence, R. I.
Fleig Corp., H. Peterson, Asst. Sec., 325 W. Ohio St., Chicago, Ill.
Graybar Electric Co. (Inc.), W. H. Leathers, Mgr. Gov. Dept., 100 E. 42d St., New York, N. Y.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Mechanical Rubber Co., W. Huether, Mgr. sales, 1790 Broadway, New York, N. Y.

Okonite Co., L. G. Martin, V. Pres., Canal St., Passaic, N. J.
Plymouth Rubber Co. (Inc.), W. H. Bieringer, V. Pres., 19 Revere St., Canton, Mass.
Salisbury, W. H., & Co. (Inc.), T. R. Claffey, sales Mgr., 308 W. Madison St., Chicago, Ill.
Standard Underground Cable Co., E. Kerschner, southeastern Mgr., 703 Wilkins Bldg., Washington, D. C.
Superior Insulating Tape Co., Julius S. Schweick, Gen. Mgr., 3046 Lambdil Ave., St. Louis, Mo.
United States Rubber Co., S. A. Coombs, Asst. Mgr. Mech. sales, 1790 Broadway, New York, N. Y.
Van Cleef Bros., Paul Van Cleef, Mem. firm, 7720 Woodlawn Ave., Chicago, Ill.
Westinghouse Electric & Mfg. Co., T. D. Halliwell, Mgr. wiring devices Sec., E. Pittsburgh, Pa.

Spec. 294, ASPHALT-SATURATED WOVEN COTTON FABRIC FOR WATERPROOFING

Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 West 4th St., Cleveland, Ohio.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sifo Products Co., 1120 East 7th St., St. Paul, Minn.
Turnerised Roofing Co., F. L. Kinsman, V. Pres., Brewer Block, Ada, Ohio.

Spec. 295, ASPHALT-SATURATED RAG FELT FOR FLASHINGS

American Asphalt Roof Corp., 15th St. & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 W. 76th St., Chicago, Ill.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St. & 2d Ave., Balto., Md.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
McHenry-Millhouse Mfg. Co., 1702 S. Franklin St., South Bend, Ind.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Roofing Co., Paul Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Building, Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Watson, H. F., Co., E. 16th St., Erie, Pa.

Spec. 296, SLATE-SURFACED, ASPHALT PREPARED ROOFING AND SHINGLES

Amalgamated Roofing Co., 431 S. Dearborn St., Chicago, Ill.
American Asphalt Roof Corp., 15th & Blue River, Kansas City, Mo.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y.
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Bird & Son, 1472 W., 76th St., Chicago, Ill.
Carey, Philip, Co., E. Puse, Sec., Lockland, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d St., New York, N. Y.
Chatfield Mfg. Co., 3d & Plum Sts., Cincinnati, Ohio.
Continental Roofing & Mfg. Co., 16th St., & 2d Ave., Balto., Md.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keystone Roofing Mfg. Co., York, Pa.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
McHenry Millhouse Mfg. Co., 1702 S. Franklin St., South Bend, Ind.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooke, V. Pres., 163 Henderson St., Jersey City, N. J.

National Roofing Co., 164 Fillmore Ave., Tonawanda, N. Y.
Nelson, B. F., Mfg., Co., Carl E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.
Sifo Products Co., 1120 E. 7th St., Saint Paul, Minn.
Usona Mfg. Co., West End Ill. Ave. & C. B. & I. Tracks, Aurora, Ill.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Weaver-Henry Mfg. Co., 2440 E. 8th St., Los Angeles, Calif.
Weaver Wall Co., 3700 Brookpark Road, Cleveland, Ohio.

Spec. 297, WIRE ROPE

Ajax Rope Co. (Inc.), George Weiss, V. Pres., 95 Liberty St., New York, N. Y.
American Cable Co. (Inc.), G. C. Moore, V. Pres., 105 Hudson St., New York, N. Y.
American Steel & Wire Co., F. Baackes, V. Pres., 208 S. LaSalle St., Chicago, Ill.
Durable Wire Rope Co., G. Abeel Hall, Treas., 93 Pearl St., Boston, Mass.
Edwards, E. H., Co., A. M. Dodge, Sec., 225 Bush St., San Francisco, Calif.
Fischer & Hayes Rope & Steel Co., A. C. Fischer, Pres., 816 W. Erie St., Chicago, Ill.
Hazard Mfg. Co., Carl P. Brodhun, Ass't. sales Mgr., 81 E. Ross St., Wilkes-Barre, Pa.
Leschen, A., & Sons Rope Co., W. C. Henning, Sec., 5909 Kennerly Ave., St. Louis, Mo.
MacWhyte Co., J. S. Whyte, Sec., Racine Ave., Kenosha, Wis.
Page Steel & Wire Co., L. S. Lankton, 929 Conn. Ave., Bridgeport, Conn.
Roebling's, John A., Sons Co., N. C. Harrison, Ass't. Gen. sales Agt., for wire rope, 612 S. Broad St., Trenton, N. J.
Waterbury Co., J. C. Waterbury, Treas., 63 Park Row, New York, N. Y.
Wickwire Spencer Steel Co. (Inc.), G. V. Park, Treas., 41 E. 42d St., New York, N. Y.
Williamsport Wire Rope Co., Logan Cunningham, V. Pres., 174 Campbell St., Williamsport, Pa.
Wire Products Corp., E. M. Verner, Pres., P. O. Box 1671, Pittsburgh, Pa.

Spec. 301a, BROWN COTTON SHEETING

Bancroft, Joseph, & Sons Co. of Pa., E. S. Jenckes, Pres., 9th & Cotton Sts., Reading, Pa.
Belton Mills, Ellison A. Smyth, Pres., Belton, S. C.
Bennett, Fred S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Catlin & Co. (Inc.), Charles C. Lee, V. Pres., 345 Broadway, New York, N. Y.
Clifton Mfg. Co., J. C. Evins, Pres., Clifton, S. C.
Consolidated Textile Corp., J. C. Saunders, Mgr., Bonham, Tex.
Converse, D. E., Co., A. J. Dupre, Treas., Glendall, S. C.
Cowpens Mills, H. W. Kirby, Pres., Cowpens, S. C.
Deering Milliken & Co. (Inc.), W. E. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Fulton Bag & Cotton Mills, J. Elasas Phillips, Dept. Mgr., P. O. Box 1726, Atlanta, Ga.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hurwitz, D., Sons, Hyman Hurwitz, Partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram Prop., 50 Cliff St., New York, N. Y.
La Fayette Cotton Mills, W. E. McKown, Treas., La Fayette, Ga.
Mt. Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
New Idea Mfg. Co. (Inc.), H. B. Ferguson, Pres., 8th & Spring Garden Sts., Phila., Pa.
Parker, Wilder & Co., Wm. D. Judson, Mem. firm, 78 Leonard St., New York, N. Y. (Sole selling agents for Naumkeag Steam Cotton Co.)
Peerless Cotton Mills, Julian T. Hightower, Asst. Treas., Thomaston, Ga. (Iselin-Jefferson Co., Ray Walker, Mgr. sheet & pillow case Dept., 328 Broadway, New York, N. Y., commission agents.)
Penfield, A. H., & Co. (Inc.), A. H. Penfield, Pres., 320 Broadway, N. Y.
Turner Halsey Co., H. M. Turner, V. Pres., 74 Leonard St., New York, N. Y. (Type C only.)
Wallace Mfg. Co. (Inc.), Wm. H. Beattie, V. Pres., Jonesville, S. C.
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.
Woodward Baldwin Co., G. Brent Dorsey, Partner, 43 Worth St., New York, N. Y.

Spec. 302, WIDE BROWN COTTON SHEETINGS

Balfour Mills (Inc.), Ellison A. Smyth, Pres., Hendersonville, N. C.
Bancroft, Joseph & Sons Co. of Pa., E. S. Jenckes, Pres., 9th & Cotton Sts., Reading, Pa.
Bennett, Fred S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Cannon Mills (Inc.), F. A. Williams, V. Pres., 70 Worth St., New York, N. Y.
Catlin & Co. (Inc.), Charles C. Lee, V. Pres., 345 Broadway, New York, N. Y.
Cowpens Mills, H. W. Kirby, Pres., Cowpens, S. C.
Deering Milliken & Co. (Inc.), H. E. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Lamport Mfg. Supply Co. (Inc.), Charles Cohen, Treas., 507 Broadway, New York, N. Y.
Mt. Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.

Naumkeag Steam Cotton Co., Ernest N. Hood, Treas., 47 Congress St., Salem, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. firm, sole selling agents, 78 Leonard St., New York, N. Y.)
Pacific Mills, Walter L. Brewster, Mgr. marketing cotton Div., 24 Thomas St., New York, N. Y.
Peerless Cotton Mills, Julian Hightower, Asst. Treas., Thomaston, Ga. (Iselin-Jefferson Co., Ray Walker, Mgr. sheet & pillow case Dept., 328 Broadway, New York, N. Y., commission agents.)
Riverside & Dan River Cotton Mills (Inc.), H. R. Fitzgerald, Pres., Danville, Va.
Turner, Halsey Co., H. E. Turner, V. Pres., 74 Leonard St., New York, N. Y.
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.

Spec. 303, WIDE BLEACHED COTTON SHEETINGS

Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Deering Miliken & Co. (Inc.), W. E. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hurwitz, D., & Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, Prop., 50 Cliff St., New York, N. Y.
Lamport Mfg. Supply Co. (Inc.), Charles Cohen, Treas., 507 Broadway, New York, N. Y.
Naumkeag Steam Cotton Co., Ernest N. Hood, Treas., 47 Congress St., Salem, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. firm, 78 Leonard St., New York, N. Y., sole selling agents.)
Pacific Mills, Walter H. Brewster, Mgr. marketing cotton Div., 24 Thomas St., New York, N. Y.
Peerless Cotton Mills, Julian T. Hightower, Asst. Treas., Thomaston, Ga. (Iselin-Jefferson Co., Ray Walker, Mgr. sheet & pillow case Dept., 328 Broadway, New York, N. Y., commission agents.)
Prince Lauten Corp., Alfred H. Merkel, Sec., 105 Worth St., New York, N. Y.
Riverside & Dan River Cotton Mills (Inc.), H. R. Fitzgerald, Pres., Danville, Va.
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.

Spec. 304, BLEACHED COTTON SHEETS (MEDIUM AND HIGH-COUNT SHEETING)

Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Deering Miliken & Co. (Inc.), W. F. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Lamport Mfg. Supply Co. (Inc.), Charles Cohen, Treas., 507 Broadway, New York, N. Y.
Naumkeag Steam Cotton Co., Ernest N. Hood, Treas., 47 Congress St., Salem, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. of firm, sole selling agents), 78 Leonard St., New York, N. Y.
Pacific Mills, Walter H. Brewster, Mgr. marketing cotton Div., 24 Thomas St., New York, N. Y.
Peerless Cotton Mills, Julian T. Hightower, Asst. Treas., Thomaston, Ga. (Iselin-Jefferson Co., Ray Walker, Mgr. sheet & pillow case Dept., 328 Broadway, New York, N. Y., commission agents.)
Prince Lauten Corp., Alfred H. Merkel, Sec., 105 Worth St., New York, N. Y.
Riverside & Dan River Cotton Mills (Inc.), H. R. Fitzgerald, Pres., Danville, Va.
Taylor, Clapp & Beall, Henry C. Taylor, Mem. firm, 109 Worth St., New York, N. Y. (Selling agents for Utica Steam & Mohawk Valley Cotton Mills.)
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.

Spec. 305, BLEACHED COTTON PILLOW CASES

Amifrench Mfg. Co. (Inc.), Chas. Dodge, V. Pres., Division St., South River, N. J.
Bradford Textile Co., H. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Deering Miliken & Co. (Inc.), H. R. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Naumkeag Steam Cotton Co., Ernest N. Hood, Treas., 47 Congress St., Salem, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. firm, 78 Leonard St., New York, N. Y., sole selling agents.)
Pacific Mills, Walter H. Brewster, Mgr. marketing cotton Div., 24 Thomas St., New York, N. Y.
Peerless Cotton Mills, Julian T. Hightower, Asst. Treas., Thomaston, Ga. (Iselin-Jefferson Co., Ray Walker, Mgr. sheet & pillow case Dept., 328 Broadway, New York, N. Y., commission agents.)
Prince Lauten Corp., Alfred H. Merkel, Sec., 105 Worth St., New York, N. Y.
Riverside & Dan River Cotton Mills (Inc.), H. R. Fitzgerald, Pres., Danville, Va.
Roloson Mfg. Co. (Inc.), B. U. Dotson, V. Pres., 121 W. Water St., Lima, Ohio.
Schulman Bros., R. Schulman, Prop., 69 Church St., Spring Valley, N. Y.
Simons, Ernest, Mfg. Co., Joseph W. Simons, Pres., Port Chester, N. Y.
Taylor, Clapp & Beall, Henry C. Taylor, Mem. firm, 109 Worth St., New York, N. Y. (Selling agents for Utica Steam & Mohawk Valley Cotton Mills.)

Spec. 311, RIGID CONDUIT, ENAMELED

American Circular Loom Co., F. C. Hodkinson, V. Pres., 90 West St., New York, N. Y.
Clifton Conduit Co. (Inc.), George L. Hathaway, Treas., 16 Hudson St., New York, N. Y.
Enameled Metals Co., Peter McIlroy, V. Pres., 61 Bridge St., Etna, Pa.
Garland Mfg. Co., Robert Garland, Pres., 1709 1st Nat. Bank Bldg., Pittsburgh, Pa.
General Electric Co., D. W. Niven, Mgr., Federal & Marine Dept., 1 River Rd., Schenectady, N. Y.
National Enameling & Mfg. Co., U. S. Armstrong, Pres., 710 Renshaw Bldg., Pittsburgh, Pa.
National Metal Molding Co., G. J. Kim, Asst. sales Mgr., 1110 Fulton Bldg., Pittsburgh, Pa.
Steelduct Co., J. H. Collins, Sec., Dallas Bank Bldg., Youngstown, Ohio.
Youngstown Sheet & Tube Co., H. S. Coblentz, Conduit sales Dept., Stambaugh Bldg., Youngstown, Ohio.

Spec. 312, RUBBER GLOVES FOR ELECTRICAL WORKERS (FOR USE IN CONNECTION WITH APPARATUS OR CIRCUITS NOT EXCEEDING 3,000 VOLTS TO GROUND)

Aetna Rubber Co., A. J. Huston, V. Pres., 815 E. 79th St., Cleveland, Ohio.
American Optical Co., (F. A. Hardy & Co. division), C. A. Partenheimer, Mgr. Indus. Dept., 10 S. Wabash Ave., Chicago, Ill.
Goodall Rubber Co., A. M. Twarty, V. Pres., 8th & Locust Sts., Phila., Pa.
Goodyear Rubber Co., F. V. Stroming, Mgr. Mech. Goods Div., 134 Duane St., New York, N. Y.
Gross, Wm. M., Co., W. M. Gross, Prop., Carver Bldg., Sharon, Pa.
Hospital Supply Co. & The Watters Laboratories, M. G. Watters, 157 E. 23rd St., New York, N. Y.
Industrial Products Co., E. Fred Shipman, Pres., 1001 Chestnut St., Phila., Pa.
Salisbury, W. H., & Co. (Inc.), T. R. Claffey, sales Mgr., 308 W. Madison St., Chicago, Ill.
Seamless Rubber Co. (Inc.), H. W. Gordon, Sec., 252 Hallock Ave., New Haven, Conn.
Snyder, M. L., & Son, Herbert A. Greene, Mem. firm, 223 Church St., Phila., Pa.
Standard Safety Equipment Co., Lawrence E. Dickson, Sec., 410 N. Michigan Ave., Chicago, Ill.
United States Rubber Co., H. B. Hubbard, Gen. sales Asst., 1790 Broadway, New York, N. Y.
Wilson Rubber Co., K. P. Herbruck, Asst. Gen. Mgr., 1216 Garfield Ave., S. W., Canton, Ohio.

Spec. 314, RAILROAD TRACK SCALES

Buffalo Scale Co. (Inc.), T. L. Richmond, Pres., 1200 Niagara St., Buffalo, N. Y.
Fairbanks, E. & T., & Co., A. E. Ashcroft, Mgr., St. Johnsbury, Vt.
Fairbanks, Morse & Co., F. V. Roy, Mgr. Scale Div., 900 S. Wabash Ave., Chicago, Ill.
Howe Scale Co., C. B. Hinsman, Pres., Rutland, Vt.
Standard Scale & Supply Corp., R. H. Chappel, Sec., 1631 Liberty Ave., Pittsburgh, Pa.
Strait Scale Co., A. B. Jacobus, Pres., Shawnee, Adams & Baird Sts., Packers Sta., Kansas City, Kan.
Winslow Government Standard Scale Works, (Inc.), M. H. Winslow, Pres., 25th St. & Haythorn Ave., Terre Haute, Ind.

Spec. 319, 100 PER CENT RAG BOND PAPER, WHITE

(Now being revised.)

Spec. 320, 50 PER CENT RAG BOND PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 321, 100 PER CENT RAG LEDGER PAPER, WHITE

(Now being revised.)

Spec. 322, 75 PER CENT RAG LEDGER PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 323, 100 PER CENT RAG MANIFOLD PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 324, LITHOGRAPH-FINISH MAP PAPER

(Now being revised.)

Spec. 325, 50 PER CENT RAG LITHOGRAPH-FINISH MAP PAPER

(Now being revised.)

Spec. 326, 75 PER CENT RAG LITHOGRAPH-FINISH MAP PAPER

(Now being revised.)

Spec. 327, BLOTTING PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 328, SULPHITE BOND PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 329, SULPHITE WRITING PAPER, WHITE AND COLORED

(Now being revised.)

Spec. 330, 100 PER CENT RAG HEAVY LEDGER PAPER, WHITE

(Now being revised.)

Spec. 331a, PAPER, MANIFOLD, 50 PER CENT RAG, WHITE AND COLORED, GLAZED

(Now being revised.)

Spec. 332, WHISK BROOMS

Acme Broom Co., H. E. Lindstrom, Owner, 331 W. 5th St., Kansas City, Mo.
Alabama Broom & Mattress Co., R. H. Canterbury, Gen. Mgr., P. O. Box 156, Huntsville, Ala.
American Broom & Brush Co., H. Howard, Treas., 27 Walnut St., Amsterdam, N. Y.
Amsterdam Broom Co., B. Wasserman, Sec., 41 Brookside Ave., Amsterdam, N. Y.
Appleton Broom Mfg. Co., J. I. Cohen, owner, 925 N. Meade St., Appleton, Wis.
Atlantic Southwestern Broom Co., F. C. Vollmer, Sec., 2d & Toone Sts., Balto., Md.
Blandon Broom Works, B. W. Ziegler, Sec., Blandon, Pa.
Brooklyn Broom Works, J. Solomon, Prop., 495 Flushing Ave., Brooklyn, N. Y.
Capitol Broom Co., S. Eckstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Central Broom Co., C. C. Carson, Pres., Water & Marshall Sts., Jefferson City, Mo.
Cook, Chas., & Son, Margaret M. Palmer, bookkeeper, 40 Russell St., Hadley, Mass.
Council Bluffs Broom Co., J. A. Pelton, Mgr., 2903 2d Ave., Council Bluffs, Iowa.
Davenport Broom Co., E. A. Taylor, Pres., 2049 N. 5th St., Davenport, Iowa.
Dearborn Mfg. Co., J. C. Singleton, Pres., 550 W. Harrison St., Chicago, Ill.
Deshler Broom Factory, H. C. Struve, Gen. Mgr., Deshler, Nebr.
Dobbertin Broom Corp., F. B. Messiner, Sec., 376 Averill Ave., Rochester, N. Y.
Eagle Broom Works, J. T. Keane, owner, 373 S Hewitt St., Los Angeles, Calif.
Evans & Liddle (Inc.), W. H. Folger, Pres., Lockport, N. Y.
Gardner Broom Co., W. A. Gardner, Mem. firm, 64 Church St., Amsterdam, N. Y.
Goeller's, M. G., Sons, J. C. Goeller, jr., Partner, 544 Clinton St., Circleville, Ohio.
Golden City Broom Works, C. L. Howard, owner, Golden City, Mo.
Hamburg Broom Works, H. E. Seaver, Treas., Hamburg, Pa.
Hare, Chas., Chas. Hare, 116 Mt. Clare Alley, Balto., Md.
Imperial Broom Works, C. Strum, Prop., 1401 W. Austin Ave., Chicago, Ill.
India Brush & Mat Co., W. B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Ingle Bros. Broomcorn Grain & Supply Co., G. J. Mos, Sec., 17th & Charlotte Sts., N. Kansas City, Mo.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Koenig Broom Mfg. Co. (Inc.), W. Koenig, Pres., 919 Brooklyn St., St. Louis, Mo.
Kuh Bros., P. Kuh, Partner, 209 N. Dakota Ave., Sioux Falls, S. Dak.
Lasting Broom & Mop Mfg. Co., A. G. Nimroth, Prop., 9th Ave. & Md. St., Evansville, Ind.
Lee Broom Co., Lynn Lloyd, V. Pres., 21st & Y Sts., Lincoln, Nebr.
Leonard Brush and Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Manhattan Broom Co., O. Halperyn, Prop., 439 E. 104th St., New York, N. Y.
Meese Broom Co., G. Meese, Owner, Oak and Sinto Sts., Spokane, Wash.
Merkle Broom Co., J. L. Merkle, Treas., 101 West End Ave., Paris, Ill.
Miller Broom Co., A. L. Miller, Prop., 1824 West Ave., S., La Crosse, Wis.
Mississippi Valley Mfg. Co., W. M. Tinsley, Canton, Mo.
National Broom Mfg. Co., D. Arbaugh, Pres., 230 S. Santa Fe St., Pueblo, Colo.
Page Broom Co., J. Ross, Mgr., 40 Alford St., Charlestown, Mass.
Paris Broom Co. (Inc.), C. E. Cooper, Pres., 215 E. Court St., Paris, Ill.
Pioneer Broom Co. (Inc.), E. D. Blood, Sec., Pine & W. Main Sts., Amsterdam, N. Y.
Progressive Broom Mfg. Co., F. Koenig, Prop., 918 La Beaume St., St. Louis, Mo.
Red Hill Broom Works, I. Richard, Prop., Red Hill, Pa.
Royal Broom Co., H. G. Senner, Mgr., 1411 Center St., Tacoma, Wash.
Royal Broom Factory, G. A. Smith, Prop., 1056 Annunciation, New Orleans, La.
Saint Paul Broom Mfg. Co. (Inc.), W. Auerbacher, Pres., 916 Fauquier St., St. Paul, Minn.

San Francisco Association for the Blind, Ruth A. Quinan, Gen. Mgr., 1097 Howard St., San Francisco, Calif.
Scoville, M. G., Sons Co., F. L. Scoville, Pres., 2441 Grant Ave., Ogden, Utah.
Sider, S. W., Broom Works, S. W. Sider, Prop., Wheatland Ave., Logansport, Ind.
Southwestern Broom Mfg. Co., J. R. Kuhlman, Treas., 701 9th Ave., Evansville, Ind.
Standard Broom Co., P. H. Price, Pres., Pacific & Bath Sts., Phila., Pa.
Standard Broom & Brush Co., G. S. Schwartz, owner, Portland, Ind.
Union Novelty Mfg. Co., J. Leventon, Mem. firm, 250 N. Front St., Phila., Pa.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Urbana Broom Co., W. R. Wilson, Mgr., P. O. Box 336, Urbana, Ohio.
Zachry Mfg. Co., W. H. Zachry, Mgr., Greenwood Ave. & So. Ry., Atlanta, Ga.

Spec. 333a, BROOM, CORN

Acme Broom Co., H. E. Lindstrom, Owner, 331 W. 5th St., Kansas City, Mo.
Alabama Broom & Mattress Co., R. H. Canterbury, Gen. Mgr., Box 156, Huntsville, Ala.
American Broom & Brush Co., H. Howard, Treas., 21 Walnut St., Amsterdam, N. Y.
American Broom Products Co., L. C. Seville, Sec., McAlester, Okla.
Amsterdam Broom Co., B. Wasserman, Sec., 41 Brookside Ave., Amsterdam, N. Y.
Atlantic Southwestern Broom Co., F. C. Vollmer, Sec., 2d & Toone Sts., Balto., Md.
Augusta Broom Works, H. Sancken, Prop., 1010 Fenwick St., Augusta, Ga.
Baltimore Broom Works, F. C. Vollmer, Mgr., 1300 S. 2d St., Balto., Md.
Beach Broom Co., H. A. Bowman, owner, P. O. Box 267, Huntington Beach, Calif.
Blandon Broom Works, B. W. Ziegler, Sec., Blandon, Pa.
Board of Industrial Aid for the Blind, C. D. Chadwick, Exec. Sec., 536 W. 30th St., Indianapolis, Ind.
Brooklyn Broom Works, J. Solomon, Prop., 495 Flushing Ave., Brooklyn, N. Y.
Capitol Broom Co., S. Eckstein, V. Pres., 2 Jefferson St., Trenton, N. J.
Cook, Chas., & Son, Margaret M. Palmer, bookkeeper, 40 Russell St., Hadley, Mass.
Council Bluffs Broom Co., J. A. Pelton, Mgr., 2903 2d Ave., Council Bluffs, Iowa.
Davenport Broom Co., E. A. Taylor, Pres., 2049 W. 5th St., Davenport, Iowa.
Day, C., Broom Co., C. N. Libo, owner, East Alley, Millersburg, Pa.
Dearborn Mfg. Co., J. C. Singleton, Pres., 550 W. Harrison St., Chicago, Ill.
Deshler Broom Factory, H. C. Struve, Gen. Mgr., Deshler, Neb.
Eagle Broom Works, J. T. Keane, owner, 371 S. Hewitt St., Los Angeles, Calif.
Evans & Liddle (Inc.), W. H. Folger, Pres., Lockport, N. Y.
Gardner Broom Co., W. H. Gardner, Mem. firm, Church St., Amsterdam, N. Y.
Goeller's, M. G. Sons Co., J. C. Goeller, jr., Sec., 544 Clinton St., Circleville, Ohio.
Golden City Broom Works, C. L. Howard, owner, Golden City, Mo.
Hamburg Broom Works, H. E. Seaver, Treas., Pine St., Hamburg, Pa.
Hare, Charles, Charles Hare, owner, 116 Mt. Clare Alley, Balto., Md.
Harrah & Stewart Broom Mfg. Co., J. B. Gray, Pres., 514 E. Court Ave., Des Moines, Iowa.
Holyoke Broom Co., E. R. Young, Mem. firm, 106 Front St., Holyoke, Mass.
Imperial Broom Works, M. Rattner, bookkeeper, 1401 W. Austin Ave., Chicago, Ill.
Industrial Home for the Blind, P. J. Solmon, Bus. Mgr., 520 Gates Ave., Brooklyn, N. Y.
Ingle Bros. Broomcorn Grain & Supply Co., C. N. Ingle, V. Pres., 17th & Charlotte Sts., N. Kansas City, Mo.
Kendallville Broom & Brush Co., W. S. Lang, Pres., Kendallville, Ind.
Koenig Broom Mfg. Co. (Inc.), W. Koenig, Pres., 919 Brooklyn St., St. Louis, Mo.
Lay, Joseph, Co., Frank Harker, Sec., Portland, Ind.
Lee Broom Co., Lynn Lloyd, V. Pres., 21st & Y Sts., Lincoln, Nebr.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Lomax Industrial Corp., S. F. Tannus, Pres., Factory District, Lomax, Ill.
Manhattan Broom Co., O. Halperyn, Prop., 439 E. 104th St., New York, N. Y.
Merkle Broom Co., J. L. Merkle, Treas., 101 West End Ave., Paris, Ill.
Midwest Broom Mfg. Co., J. C. Goeller, jr., Partner, 544 Clinton St., Circleville, Ohio.
Miller Broom Co., A. L. Miller, Prop., 1824 West Ave., S., La Crosse, Wis.
Mississippi Valley Mfg. Co., W. M. Tinley, Pres., Canton, Mo.
National Broom Mfg. Co., D. Arbaugh, Pres., 230 S. Santa Fe St., Pueblo, Colo.
New York Association for the Blind, Ricwey McLunry, Bus. Mgr., 111 E. 59th St., New York, N. Y.
Page Broom Co., John Ross, Asst. Mgr., 40 Alford St., Charlestown, Mass.
Pauken, John, Broom Co., John Pauken, Pres., 311 Cass St., Maumee, Ohio.
Pennsylvania Working Home for Blind Men, J. H. Meader, Supt., 3518 Lancaster Ave., Phila., Pa.
Pioneer Broom Co. (Inc.), E. D. Blood, Sec., Pine & W. Main Sts., Amsterdam, N. Y.
Progress Duster Co., J. Bobinsky, owner, 1102 S. California Ave., Chicago, Ill.
Progressive Broom Mfg. Co., F. Koenig, Prop., 918 La Beaume St., St. Louis, Mo.
Reading Broom Works, W. I. Hess, Gen. Mgr., P. O. Box 754, W. Reading, Pa.
Red Hill Broom Works, I. Richard, Prop., Red Hill, Pa.
Round Rock Broom Co., O. L. Brady, Mgr., Round Rock, Tex.
Royal Broom Co., H. G. Senner, Mgr., 1411 Center St., Tacoma, Wash.
Saint Paul Broom Mfg. Co. (Inc.), Wm. Auerbacher, Pres., 916 Fauquier, St. Paul, Minn.
San Francisco Association for the Blind, Ruth A. Quinan, Gen. Mgr., 1097 Howard St., San Francisco, Calif.
Schweitzer, J. P., Co., F. W. Neubecker, Sec., 8400 Madison Ave., Cleveland, Ohio.
Sider, S. W., Broom Works, S. W. Sider, Prop., Wheatland Ave., Logansport, Ind.

Southwestern Broom Mfg. Co., J. R. Kuhlman, Treas., 701 9th Ave., Evansville, Ind.
Southwestern Broom & Warehouse Co., A. H. Rosenberger, V. Pres., 15th & Santa Fe Sts., Wichita, Kans.
Standard Broom & Brush Co., G. S. Schwartz, Owner, Portland, Ind.
Standard Broom Co., P. H. Price, Pres., Pacific & Bath Sts., Phila., Pa.
Steiert, A., & Son, R. Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
Stratton Broom Co., A. H. Stratton, Sec., 1556 Deloss St., Indianapolis, Ind.
Union Novelty Mfg. Co., J. Leventon, Mem. firm, 250 N. Front St., Phila., Pa.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Urbana Broom Co., W. R. Wilson, Mgr., P. O. Box 336, Urbana, Ohio.
Zachry Mfg. Co., W. H. Zachry, Mgr., Greenwood Ave. & So. Ry., Atlanta, Ga.

Spec. 334a, FIRE CLAY

Acme Brick Co., J. E. Fender, V. Pres., Will P. Anderson Bldg., Ft. Worth, Tex.
Alberhill Coal & Clay Co., Chas. J. Biddle, V. Pres., 732 Western Pacific Bldg., Los Angeles, Calif.
Ashland Fire Brick Co., E. M. Weinfurtner, Sec., Ashland, Ky.
Brooklyn Fire Brick Works, M. J. Kelly, V. Pres., 88 Van Dyke St., Brooklyn, N. Y.
Dee, Wm. E., Co., Henry F. Krieg, Mgr. Refractories Div., 30 N. La Salle St., Chicago, Ill.
Denver Fire Clay Co., Harold Bosworth, Pres., 1742 Champa St., Denver, Colo.
Diamond Fire Brick Co., H. F. Bowen, Treas., Canon City, Colo.
Dickey, W. S., Clay Mfg. Co., W. A. Dickey, Mgr., 604 Mission St., San Francisco, Calif.
Dixie Brick & Tile Co., O. A. Harker, jr., Pres., Puryear, Tenn.
Dixie Fireproofing Co., F. E. Wysong, Pres., Carrs Station, Ga.
Evens & Howard Fire Brick Co., R. M. Sievers, V. Pres., 920 Market St., St. Louis, Mo.
Garfield Fire Clay Co., P. A. Robinson, Sec., Robinson, Pa.
Garrison Brick & Tile Co., C. H. Coleman, Pres., Athens, Tex.
General Refractories Co., E. A. McKelvy, V. Pres., 106 S. 16th St., Phila., Pa.
Gladding, McBean & Co., H. B. Power, Sec., 621 S. Hope St., Los Angeles, Calif.
Golden Fire Brick Co., Paul Brown, Sec., 1936 15th St., Denver, Colo.
Green, A. P., Fire Brick Co., J. Harrison Brown, Sec., Mexico, Mo.
Harbison-Walker Refractories Co., Kenneth Seaver, Gen. sales Mgr., 1800 Farmers Bank Bldg., Pittsburgh, Pa.
Illinois Kaolin Co., J. C. Boyd, Pres., Anna National Bank Bldg., Anna, Ill.
Ironton Fire Brick Co., C. E. Bales, Production Mgr., Ironton, Ohio.
Jersey City Refractories Co., A. E. Acheson, Pres., 135 W. Side Ave., Jersey City, N. J.
Laclede Christy Clay Products Co., John McKelvay, V. Pres., 1711 Ambassador Bldg., St. Louis, Mo.
Mitchell Clay Mfg. Co., C. W. Berry, sales Mgr., 5627 Manchester Ave., St. Louis, Mo.
Niles Fire Brick Co., P. J. Sheehan, in charge of operations, E. Park Ave., Niles, Ohio.
Oak Hill Fire Brick & Coal Co., D. W. Morgan, Gen. Mgr., Oak Hill, Ohio.
Ostrander Fire Brick Co., J. W. F. Podmore, Treas., Woodbridge, N. J.
Portsmouth Refractories Co., W. B. Hitchcock, V. Pres., 2700 Gallia St., Portsmouth, Ohio.
Queen's Run Refractories Co. (Inc.), Geo. H. Diack, Gen. Mgr., W. Water St., Lock Haven, Pa.
Refractor Clay Products Co., Wm. N. Durbin, Pres., 1038 Main St., Anderson, Ind.
St. Louis Fire Brick Co., Louis J. Porri, sales Mgr., Boyle & Slausson Ave., Huntington Park, Calif.
Savage Mountain Fire Brick Co., V. L. Wallett, Sec., Mount Union, Pa.
Sayre & Fisher Brick Co., F. M. Townley, Sec., Sayerville, N. J.
Sneyd Enameled Brick Co., C. T. Clarke, Sec., New York Ave. & Penn St., Trenton, N. J.
Thornton Fire Brick Co., D. R. Potter, Gen. Mgr., 910 Goff Bldg., Clarksburg, W. Va.
United States Refractories Corp., V. L. Wallett, Sec., Mount Union, Pa.
Vitrefrax Corporation, Ralph W. Brown, Treas., 5050 Pacific Blvd., Los Angeles, Calif.
Washington Brick Lime & Sewer Pipe Co., V. E. Piollet, V. Pres., S. 151 Washington St., Spokane, Wash.
Westmoreland Brick Co., Jno. C. Leitch, V. Pres., Federal Reserve Bldg., Pittsburgh, Pa.

Spec. 335a, PLASTIC FIRE-CLAY REFRACTORIES

Big Savage Fire Brick Co., D. A. Benson, V. Pres., Frostburg, Md.
Brooklyn Fire Brick Works, M. J. Kelly, V. Pres., 88 Van Dyke St., Brooklyn, N. Y.
Cambridge Pliable Brick Co., H. G. Atkinson, Sec., 824 Wheeling Ave., Cambridge, Ohio.
Carolina Refractories Co., J. B. Ginert, Pres., P. O. Box 146, Hartsville, S. C.
Dee, Wm. E., Co., Henry F. Krieg, Mgr. Refractories Div., 30 N. La Salle St., Chicago, Ill.
DeGraw-Stowe & Co., S. T. Stowe, Pres., 857 Leader Bldg., Cleveland, Ohio.
Denver Fire Clay Co., Harold Bosworth, Pres., 1742 Champa St., Denver, Colo.
Diamond Fire Brick Co., H. F. Bowen, Treas., Canon City, Colo.
Drake Non-Clinkering Furnace Block Co., S. M. Finn, V. Pres., 5 Beekman St., New York, N. Y.
Excelsior Ball Clay Co., A. W. Koch, Pres., 31 E. 13th St., Cincinnati, Ohio.
Furnace Lining Materials Co., F. L. Page, Pres., 53 W. Jackson Blvd., Chicago, Ill.
Garfield Fire Clay Co., P. A. Robinson, Sec., Robinson, Pa.
Gravert, Wm. J. (Inc.), Wm. J. Gravert, Pres., 39 Davis St., Long Island City, N. Y.
Green, A. P., Fire Brick Co., J. Harrison Brown, Sec., Mexico, Mo.
Ironton Fire Brick Co., C. E. Bales, production Mgr., Ironton, Ohio.
Jersey City Refractories Co., A. E. Acheson, Pres., 135 W. Side Ave., Jersey City, N. J.

Johns-Manville Corp., J. Newman, Asst. Treas., 292 Madison Ave., New York, N. Y.
King Refractories Co. (Inc.), T. W. Bennett, Mgr., 1715 Niagara St., Buffalo, N. Y.
Laclede Christy Clay Products Co., John H. McKelvay, V. Pres., 1711 Ambassador Bldg., St. Louis, Mo.
McNutt, Lewis (Inc.), D. T. Bowlus, V. Pres., Brazil, Ind.
Mitchell Clay Mfg. Co., C. W. Berry, sales Mgr., 5627 Manchester Ave., St. Louis, Mo.
National Fire Roofing Co., R. A. Shipley, Asst. Prod. Mgr., Fulton Bldg., Pittsburgh, Pa.
Oak Hill Fire Brick & Coal Co., D. W. Morgan, Gen. Mgr., Oak Hill, Ohio.
Obermayer, S., Co., Randore Kauffman, Pres., 2563 W. 18th St., Chicago, Ill.
Ostrander Fire Brick Co., J. W. F. Podmore, Treas., Woodbridge, N. J.
Pitts & Kitts Mfg. & Supply Co., P. R. Hughes, Pres., 91 Seventh Ave., New York, N. Y.
Plibrico Jointless Firebrick Co., Wm. A. Schaefer, Sec., 1840 Kingsbury St., Chicago, Ill.
Portsmouth Refractories Co., W. B. Hitchcock, Gen. Mgr., 2700 Gallia St., P. O. Box 1004, Portsmouth, Ohio.
Queen's Run Refractories Co. (Inc.), Geo. H. Diack, Gen. Mgr., W. Water St., Lock Haven, Pa.
Savage Mountain Fire Brick Co., V. L. Wallett, Sec., Mount Union, Pa.
Sneyd Enamel Brick Co., C. T. Clarke, Sec., New York Ave. & Penn St., Trenton, N. J.
Thornton Fire Brick Co., D. R. Potter, Gen. Mgr., 910 Goff Bldg., Clarksburg, W. Va.
Vitrefrax Corp., Ralph W. Brown, Treas., 5050 Pacific Blvd., Los Angeles, Calif.
Washington Brick Lime & Sewer Pipe Co., V. E. Piolett, V. Pres., S. 151 Washington St., Spokane, Wash.
Westmoreland Brick Co., Jno. C. Leitch, V. Pres., Federal Reserve Bldg., Pittsburgh, Pa.

Spec. 336, BUILDERS, HARDWARE

Berbecker & Rowland Mfg. Co., F. L. Porter, Sec., Waterville, Conn.
Bommer Spring Hinge Co., Gustav Bommer, Gen. Mgr., 263 Classon Ave., Brooklyn, N. Y.
Brunner & Co., Wm. F. Brunner, 460 West Broadway, New York, N. Y.
Champion Hardware Co., Nelsant Hasenflure, Sec., Geneva, Ohio.
Chicago Spring Hinge Co., Wm. J. Keene, Pres., 1500 Carroll Ave., Chicago, Ill.
Clinton Lock Co., Earl F. Mayer, Sec., 801 N. 4th St. L, Clinton, Iowa.
Dent Hardware Co., H. C. Dent, V. Pres., Fullerton, Pa.
Eagle Lock Co., H. B. Plumb, Pres., Terryville, Conn.
Elco Tool & Screw Corp., Paul G. Swanson, Treas., 1800 14th Ave., Rockford, Ill.
Frantz Mfg. Co., J. W. Wentsel, Sec., Sterling, Ill.
Garden City Plating Mfg. Co., George B. Kintzon, Pres., Ogden Blvd. & Talman Ave., Chicago, Ill.
Getty, H. S., & Co. (Inc.), S. H. Schumacher, Sec., 1015 W. Thayer St., Phila., Pa.
Griffin Mfg. Co., James C. Griffin, Pres., Cherry & Huron Sts., Erie, Pa.
Hager, C., & Sons Hinge Mfg. Co., Richard G. Hager, Sec., 2451 DeKalb St., St. Louis, Mo.
Ives, H. B., Co., L. A. Hunniston, sales Mgr., 5 Artizan St., New Haven, Conn.
Keidel, Henry & Co. (Inc.), George E. Eddy, V. Pres., 405 W. Redwood St., Balto., Md.
Lockwood Mfg. Co., George H. Lockwood, Supt., South Norwalk, Conn.
McKinney Mfg. Co., J. P. McKinney, V. Pres. of sales, Metropolitan & Liverpool Sts., Pittsburgh, Pa.
Milwaukee Stamping Co., L. F. Geraghty, V. Pres., West Allis, Milwaukee, Wis.
Monarch Mfg. Co., James Whitty, Mgr., 2525 Hart Ave., Detroit, Mich.
National Lock Co., G. W. Aldeen, V. Pres., 18th Ave. & 7th St., Rockford, Ill.
Norton Door Closer Co., Walter B. Dodge, Pres., 2900 N. Western Ave., Chicago, Ill.
Norwalk Lock Co., M. R. McCausland, Pres., Marshall St., South Norwalk, Conn.
Penn Hardware Co., Wm. A. Heizmann, Treas., foot of Spruce St., Reading, Pa.
Reading Hardware Co., John T. Lawlor, V. Pres., 626 S. 6th St., Reading, Pa.
Russell & Erwin Mfg. Co., I. Black, sales Mgr., Washington St., New Britain, Conn.
Schlage Lock Co., J. B. Ruegg, Pres., Bay Shore & San Bruno Ave., San Francisco, Calif.
Schroder, J. B., Co., L. J. Frohmiller, Pres., 1117 Vine St., Cincinnati, Ohio.
Segal Lock & Hardware Co. (Inc.), Louis Segal, Sec., 159 Leonard St., New York, N. Y.
Shelby Metal Products Co., J. C. Fish, sales Mgr., Shelby, Ohio.
Stanley Works, P. F. King, Asst. Sec., 195 Lake St., New Britain, Conn.
Way Works (Inc.), J. Harold Way, Treas., 2052 Ludlow St., Phila., Pa.
Western Hardware Corp., W. P. Collins, Pres., 217 Tehama St., San Francisco, Calif.

Spec. 342a, PIPE, BRASS, SEAMLESS, IRON PIPE SIZE, STANDARD AND EXTRA STRONG

American Brass Co., L. B. Comstock, Mgr., Torrington Br., 414 Meadow St., Waterbury, Conn.
Baltimore Tube Co. (Inc.), R. F. Stringer, sales Mgr., Ostend & Wicomico Sts., Balto., Md.
Bridgeport Brass Co., W. R. Webster, V. Pres., 774 E. Main St., Bridgeport, Conn.
Chase Companies (Inc.), Robert L. Coe, Sec., 236 Grand St., Waterbury, Conn.
Detroit Copper & Brass Rolling Mills, Alex Henderson, Works Mgr., 174 S. Clark Ave., Detroit, Mich.
Hillman, H. M., H. M. Hillman, Prop., 59 Pearl St., New York, N. Y.
McKenna-Horix Mfg. Co., Theo. J. O'Dowd, Mgr. Brass Dept., 100 Wood St., Pittsburgh, Pa.
Merchant & Evans Co., A. T. Armstrong, 2035 Washington Ave., Phila., Pa.
Mueller Brass Co., F. L. Riggin, Sec., Port Huron, Mich. (Grade C only.)
Randolph-Clowes Co., H. I. Farnum, Sec., 384 Bank St., Waterbury, Conn.
Rome Brass & Copper Co., N. S. Thomas, Asst. Treas., Rome, N. Y.
Walworth Co., H. K. West, Asst. Mgr., 241 Arch St., Phila., Pa.
Wheeler Condenser & Engineering Co., Harry S. Brown, V. Pres., 149 Broadway, New York, N. Y.

Spec. 343a, CAST-IRON SOIL PIPE AND FITTINGS, COATED AND UNCOATED

Abendroth Bros., W. J. Hammett, Mgr. of sales, Pipe & Fittings, Highland St., Port Chester, N. Y.
Alabama Pipe Co., E. S. Bobbitt, Southern Sales Mgr., 20th St. & McCoy Ave., Anniston, Ala.
Casey-Hedges Co. James R. Hedges, Mgr. sales, Chattanooga, Tenn.
Central Foundry Co., B. A. Schutz, V. Pres., 420 Lexington Ave., New York, N. Y.
Fleek Bros. Co., John F. Fleck, V. Pres., 50 N. 5th St., Phila., Pa.
Haines, Jones & Cadbury Co., Deems W. Hallman, Asst. Fdry Supt., P. O. Box 1524, Phila., Pa.
Hajoca Corp., W. A. Brecht, Pres., 120 S. 30th St., Phila., Pa.
Hammond Iron Co., P. H. Neal, Sec., P. O. Box 831, Birmingham, Ala.
Hedges-Walsh-Weidner Co., J. R. Hedges, V. Pres., 26th & N. C. & St. L. Rwy., Chattanooga, Tenn.
Reading Foundry & Supply Co., E. Raston, Treas., 522 Chestnut St., Reading, Pa.
Rudisill Soil Pipe Co., H. B. Rudisill, Pres., P. O. Box 137, Anniston, Ala.
Somerville Iron Works, W. J. Kirby, Sec., Somerville, N. J.
Weiskittel, A., & Son Co., Henry C. Weiskittel, Pres., 4500 E. Lombard St., Balto., Md.
Wetter Pipe Co., Henry Wetter, Pres., N. 12th St., Gadsden, Ala.

Spec. 344, CHEESECLOTH REMNANTS FOR WIPING PURPOSES

Acme Sanitary Wiper & Waste Co., Wm. F. Schmitz, Sec., partner, 481—31st St., Milwaukee, Wis.
Belsky, Charles, & Co. (Inc.), Henry F. Thorpe, sales Mgr., 651 Main St., Holyoke, Mass.
Berman, P. H., & Son, Benj. Berman, Mem. firm, 3425 Market St., Phila, Pa.
Border City Mfg. Co., Chas. F. Winslow, Bkpr., Weaver St., Fall River, Mass.
Corr, Patrick, & Sons (Inc.), Leon Corr, V. Pres., Trenton Ave., Oakdale & Tucker Sts., Phila., Pa.
Ferer, Aaron, & Sons (Inc.), Samuel Ferer, Pres., 2000 N. Main St., St. Louis, Mo.
Fort Pitt Sponge & Chamois Co., Chas. Cohen, Pres., Clark Bldg., Pittsburgh, Pa.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Globe Cotton Mills, P. H. Goldberg, Pres., 2131 S. Loomis St., Chicago. Ill.
Griswoldville Mfg. Co., Richard L. Moyle, V. Pres., 56 Worth St., New York, N. Y.
Hagy, J. Milton, Waste Works, J. Milton Hagy, Pres., 836 S. Swanson St., Phila., Pa.
Ingram, Hill Co., Hill Ingram, owner, 50 Cliff St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, Owner, 615 Chestnut St., Phila., Pa.
Hurwitz, D., Sons, Hyman Hurwitz, partner, 175 Greene St., New York, N. Y.
Katzenstein, M., & Son, James E. Katzenstein, owner, 3 Johnson Ave., Brooklyn, N. Y.
Lewis Mfg. Co., E. P. Garland, Sales Mgr., West St., Walpole, Mass.
Mathes, G., Co., J. Mathes, Pres., 3100 N. Broadway, St. Louis, Mo.
Meagher's, James, Sons, Joseph Meagher, jr., sec., 270 Napoleon St., San Francisco, Calif.
Mystic Waste Co. (Inc.) John E. Higgins, V. Pres., 1899 Parkway, Everett, Mass.
National Wiping Material Co., B. L. Golomb, Mgr., 819 S. Caroline St., Baltimore, Md.
Robinson, D., & Son, Charles Robinson, Mem. firm, 1342 Harper Ave., Detroit, Mich.
Royal Mfg. Co., F. A. Maier, Sec., 30 E. Grand St., Rahway, N. J.
Star Sanitary Rag Co., Chas. F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
United States Wiping Material Co., Jerome Lipowitz, partner, 314 S. Main St., St. Louis, Mo.
Wisconsin Textile By-Products Co., A. Locke, Pres., 1801 Calument Drive, Sheboygan, Wis.
Wisconsin Waste & Wiper Co., S. A. Sherman, V. Pres., 709 Windlake Ave., Milwaukee, Wis.

Spec. 347, LAPWELDED AND SEAMLESS STEEL BOILER TUBES

Allegheny Steel Co., Paul Voight, jr., Gen. sales Mgr., Brackenridge, Pa.
Babcock & Wilcox Tube Co., H. H. Murray, Supt., P. O. Box 537, Beaver Falls, Pa.
Boiler Tube Co. of America, Marcus Boyd, Pres., 1227 Park Bldg., Pittsburgh, Pa.
Calorizing Co., B. J. Sayles, Pres., Hill & Pitt Sts., Wilkinsburg, Pa.
Delaware Seamless Tube Co., S. B. Vernon, Treas., Auburn, Pa.
Detroit Seamless Steel Tubes Co., C. H. Hobbs, Pres., Grand River Sta., Detroit, Mich.
Giberson, E. D., & Co. (Inc.), H. Wanderman, Sec., 40 Rector St., New York, N. Y.
Globe Steel Tube Co., F. J. O'Brien, Pres., 1345 Burnham St., Milwaukee, Wis. (Seamless steel boiler tubes only.)
Greene-Wolf Co. (Inc.), D. Greene, Pres., 30 Church St., New York, N. Y.
Harris Steel & Tube Co., Harry Harris, Prop., 3184 Archer Ave., Chicago, Ill.
Johnson Peter Co., G. A. Duden, Gen. Mgr., 120 44th St., Brooklyn, N. Y.
Larkin, J. K., & Co. (Inc.), Wm. C. Hays, V. Pres., 253 Broadway, New York, N. Y.
Ohio Seamless Tube Co., C. H. Wood, V. Pres., 132 W. Main St., Shelby, Ohio. (Seamless steel boiler tubes only.)
Pittsburgh Steel Products Co., R. Harris, Gen. sales Mgr., 700 Union Trust Bldg., Pittsburgh, Pa. (Seamless steel boiler tubes only.)
Spang, Chalfant & Co. (Inc.), C. F. Cruciger, Gen. Mgr. of sales, 4th Ave. & Wood St., Pittsburgh, Pa.
Standard Seamless Tube Co., W. E. Motham, Asst. Sec., 313 Sixth Ave., Pittsburgh, Pa.

Spec. 349, LAPWELDED CHARCOAL IRON BOILER TUBES

Baily, R. M., Co., R. M. Baily, owner, Commercial Trust Bldg., Phila., Pa.
Bethlehem Steel Corp., Edward S. Knisley, Gen. sales Agt., E. 3d St., Bethlehem, Pa.
Johnson Peter Co., G. A. Duden, Gen. Mgr., 120 44th St., Brooklyn, N. Y.
Larkin, J. K., & Co. (Inc.), Wm. C. Hays, V. Pres., 253 Broadway, New York, N. Y.
Monongahela Tube Co., Hugh H. Davis, Pres., 321 Third Ave., Pittsburgh, Pa.
Parkesburg Iron Co., Geo. Thomas, 3d, Treas., First Ave., Parkesburg, Pa.
Reading Iron Co., H. Mattern, sales Mgr., Baer Bldg., Reading, Pa.
Tyler Tube & Pipe Co., E. Tyler Davis, Sec., Jefferson Ave., Washington, Pa.

Spec. 362, LIQUID MEASURING DEVICES, RETAIL TYPE

American Oil Pump & Tank Co., S. F. Kemper, Pres., Findley & Dalton Sts., Cincinnati, Ohio.
Associated Supply Co., W. S. Brubaker, Mgr. Meter Dept., 79 New Montgomery St., San Francisco, Calif.
Boyle-Dayton Co., F. E. Dayton, V. Pres., 5190 Santa Fe Ave., Los Angeles, Calif.
Buffalo Meter Co., Robert S. Bassett, Treas., 2917 Main St., Buffalo, N. Y.
Columbian Steel Tank Co., W. M. Gadberry, Ch. estimator, 1509 W. 12th St., Kansas City, Mo.
Correct Measure Co., John B. Foster, Pres., Railroad St., Rochester, Pa.
Farr Hydraulic Systems (Inc.), Fred G. Farr, Pres., 111 Broadway, New York, N. Y.
Fleckenstein Visible Gasometer Co., R. L. Edison, Sec., 328 Bond Ave., Grand Rapids, Mich.
Guarantee Liquid Measure Co., E. L. Ham, Asst. to Pres., P. O. Box 236, Rochester, Pa.
Joy Mfg. Co. (Inc.), M. W. Joy, Pres., 545 Pico Ave., Long Beach, Calif.
Julian Pump & Mfg. Co., D. W. McCarthy, jr., sales Mgr., Lakewood Rd. & Howard Ave., Jamestown, N. Y.
National Meter Co., W. E. FitzSimons, Mech. Engr., 299 Broadway, New York, N. Y.
National Recording Pump Co., J. P. Hanna, V. Pres., 520 Kiser St., Dayton, Ohio.
Oil Products Appliance Co., A. E. Davenport, Pres., 1315 S. 3d Ave., Maywood, Ill.
Pittsburgh Meter Co., T. C. Clifford, Sales Mgr., 7800 Susquehanna St., Pittsburgh, Pa.
Poole Engineering & Machine Co., S. P. Brady, Pres., Woodberry, Balto., Md.
Rhodes, Jay B., Co., L. G. Slater, Sec., 145 E. Kalamazoo Ave., Kalamazoo, Mich.
St. Louis Pump & Equipment Co., C. C. Fredericks, Pres., 3701 Forest Park Blvd., St. Louis, Mo.
Tokheim Oil Tank & Pump Co., L. N. Geise, Sec., 1600 Wabash Ave., Fort Wayne, Ind.
Wayne Tank & Pump Co., M. R. Barnthouse, sales Dept., Canal St., Fort Wayne, Ind.
Western Oil Pump & Tank Co., H. J. Wichman, Pres., 2437 Kosciusko St., St. Louis, Mo.

Spec. 363, BURGLAR RESISTING SAFES

Mosler Safe Co., J. G. Donaldson, V. Pres., Hamilton, Ohio.
Remington & Sherman Co., John Jay Brooks, V. Pres., 1545 N. Delaware Ave., Phila., Pa.
Schwab Safe Co., P. E. Pyle, V. Pres., La Fayette, Ind.

Spec. 367b, WINDOW SHADES, ROLLERS SLATS, CORDS, AND ACCESSORIES

Allen Shade Holder Co. (Inc.), Ella M. Allen, Treas., 111 Rutherford Ave., Boston (Charlestown), Mass.
American Shade Roller Co., Edward F. O'Reilley, Sec., 57th St., & 1st Ave., Brooklyn, N. Y.
Atlas Window Shade Co., Alexander Stern, Prop., 191 E. 117th St., New York, N. Y.
Baker, H. B., & Co., Harry B. Baker, Prop., 24 Sudbury St., Boston, Mass.
Bancroft, Joseph & Sons Co., J. Bancroft, Pres., Wilmington, Del.
Boyer-Bushnell Co., A. G. Mickel, Treas., 108 N. Clinton St., Chicago, Ill.
Breneman, Chas. W., Co., C. L. Knepper, Mgr., 6th & Jefferson Sts., Camden, N. J.
Bronx Window Shade & Awning Co. (Inc.), M. P. Hays, Sec., 372 E. 162d St., New York, N. Y.
Brooklyn Window Shade Co., Alex. Fuchs, Mgr., 261 Livingston St., Brooklyn, N. Y.
California Shade Cloth Co., H. P. Hansen, Sec., 1710 San Bruno Ave., San Francisco, Calif.
Capital Awning Co., Wm. E. Russell, Prop., 1503 North Capitol St., Washington, D. C.
Columbia Mills (Inc.), E. Robert Raab, Gen. sales Mgr., 225 Fifth Ave., New York, N. Y.
Connecticut Textiles (Inc.), F. B. Burns, Pres., 180 Madison Ave., New York, N. Y.
Copeland Co., Arthur Copeland, Pres., 1331 14th St., NW., Washington, D. C.
Crown Shade & Screen Co., Jos. E. Johnson, sales Mgr., 44 Sudbury St., Boston, Mass.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Dutton, Andrew, Co., Walter F. Colby, Asst. Mgr., 60 Canal St., Boston, Mass.
F & K Shade Co., Jacob Frendenheim, 22 Strawberry St., Phila., Pa.
Hamilton, G. H., Mfg. Co., G. H. Hamilton, Treas., 5th St. & 7th Ave., Beaver Falls, Pa.
Hulme, J. W., Co. (Inc.), Edmund Jasmin, V. Pres., 60 W. 4th St., St. Paul, Minn.
Illinois Shade Cloth Corp., R. N. Booth, V. Pres., Chicago Heights, Ill.
Interstate Shade Cloth Co., J. F. Goehren, Asst. Treas., 812 Jefferson St., Hoboken, N. J.
Kloes, F. J. (Inc.), F. J. Kloes, Pres., 269 Canal St., New York, N. Y.
McMaster & Murfin Co., W. R. Murfin, Treas., 1215 Race St., Phila., Pa.

Midwest Window Shade Co., Otto J. Drees, Pres., 2616 Shenandoah Ave., St. Louis, Mo.
Pabst & Co., Chas. A. Pabst, Pres., 22d St. & Allegheny Ave., Phila., Pa.
Rasch & Gainor, C. S. Wolf, Mem. firm, 21 S. Hanover St., Balto., Md.
Roloson Mfg. Co. (Inc.), B. U. Dotson, V. Pres., 121 W. Water St., Lima, Ohio.
St. Paul Tent & Awning Co., C. W. Weikert, V. Pres., 296 E. 6th St., St. Paul, Minn.
Volker, William & Co., William Volker, Pres., 230 Main St., Kansas City, Mo.
Western Shade Cloth Co., M. Jackson, Treas., 22d & Jefferson Sts., Chicago, Ill.
Wimmer, C. I., & Co., J. J. Wimmer, Sec., 741 Malvern Ave., Columbus, Ohio.

Spec. 375, FLAKE ORANGE SHELLAC

(Now being revised.)

Spec. 376, VARNISH, SHELLAC

(Now being revised.)

Spec. 379, COLORED WATERPROOF DRAWING INK

(Withdrawn.)

Spec. 380, CEMENT, ASPHALT PLASTIC

Albion Mfg. Co., E. A. Nelson, Pres., 5710 Corson Ave., Seattle, Wash.
Amalgamated Roofing Co., 431 S. Dearborn St., Chicago, Ill.
American Asphalt Roof Corp., 15th & Blue River, Kansas City, Mo.
Asphalt Roofing Products Co. (Inc.), J. E. Cassidy, Pres., 815 15th St. NW., Washington, D. C.
Barber Asphalt Co., 1600 Arch St., Phila., Pa.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector, New York, N. Y. (Except fibre length.)
Beaver Products Co., Beaver Rd., Buffalo, N. Y.
Beckman-Dawson Roofing Co., 223 W. Jackson Blvd., Chicago, Ill.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son, 1472 E. 76th St., Chicago, Ill.
Buckeye Paint & Varnish Co., P. F. Whalen, jr., V. Pres., 15th & Lucas Sts., Toledo, Ohio.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Carey, Philip, Co., R. A. Gaines, Mgr. Paint Dept., Lockland, Cincinnati, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42nd St., New York, N. Y.
Chacon Trading Co., R. M. A. Chacon, Gen. Mgr., 82 Beaver St., New York, N. Y.
Chatfield Mfg. Co., 3rd & Plum Sts., Cincinnati, Ohio.
Continental Products Co., W. K. Einstein, Treas., E. 222d & Nickel Plate R. R., Euclid, Ohio.
Eagle Paint & Varnish Co., O. Greenberg, Pres., 10211 Harvard Ave., Cleveland, Ohio.
Eclipse Paint & Color Co., C. P. Cox, sales Mgr., 105 N. 7th St., St. Louis, Mo.
Elliott Varnish Co., H. A. Rowland, Pres., 4525 5th Ave., Chicago, Ill.
Flintkote Co., 122 Michigan Ave., Chicago, Ill.
Ford Roofing Products Co., 529 S. Franklin St., Chicago, Ill.
Garrett, C. S., & Son Corp., W. P. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Glidden Co. of Calif., L. A. Freeman, Sec., 1300 7th St., San Francisco, Calif.
Goheen Corp. of N. J., N. F. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Hampden Paint & Chemical Co., C. C. Carlson, Asst. Treas., Springfield, Mass.
Hetzel, J. G., Estate, T. A. Baudermann, sales Mgr., 67 Maine St., Newark, N. J.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Joseph Mfg. Co., J. S. Pedrick, owner, 122 Chestnut Ave., Woodlynne, N. J.
Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.
Knapp, E. J., Co., C. H. Knapp, Pres., Belding, Mich.
Lastik Products Corp., H. Arnwake, V. Pres., Clyde & P. R. R., Wampum, Pa.
Lehon Co., 44th & Oakley Ave., Chicago, Ill.
Lockport Paper Co., Lockport, N. Y.
Logan-Long Co., 37 W. Van Buren St., Chicago, Ill.
McHenry-Millhouse Mfg. Co., 1702 S. Franklin St., South Bend, Ind.
Merkin, M. J., Paint Co. (Inc.), E. Burger, Gen. Mgr., 25 Spruce St., New York, N. Y.
Mica Insulating Roofing & Supply Co. (Inc.), R. B. Martin, V. Pres., 200 5th St., S. W., Mason City, Iowa.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
Missouri Paint & Varnish Co., J. B. Frank, V. Pres., 5125 N. 2d St., St. Louis, Mo.
Murray, Alexander, & Co. (Ltd.), Canada Cement Bldg., Montreal, Canada.
National Asbestos Mfg. Co., C. S. Brooks, V. Pres., 163 Henderson St., Jersey City, N. J.
National Roofing Co., Paul Bennett, sales Mgr., Tonawanda, N. Y.
Nelson, B. F., Mfg. Co., C. E. Sager, Sec., 401 Main St., N. E., Minneapolis, Minn.
No-Leak Roofing & Paint Co., R. A. Burch, Pres., Beechwood Ave., Toledo, Ohio.
Ohmlac Paint & Refining Co., L. F. Linaley, Pres., 140 S. Dearborn St., Chicago, Ill.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Pioneer Paper Co., 55th & Almeda Sts., Los Angeles, Calif.
Ruberoid Co., 96 Madison Ave., New York, N. Y.
Safepack Mills, Millis, Mass.
Sall Mountain Co., 140 S. Dearborn St., Chicago, Ill.

Sifo Products Co., 1120 E. 7th St., St. Paul, Minn.
Solar Compounds Corp., S. N. Hersloff, Treas., Whittier St., Linden, N. J.
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Suydam, M. B., Co., R. S. Suydam, Pres., Preble & Island Aves., (North Side), Pittsburgh, Pa.
Truscon Laboratories, R. A. Plumb, Gen. Mgr., Caniff Ave. & Grand Trunk R. R., Detroit, Mich.
Turnerised Roofing Co., F. L. Kinsman, V. Pres., Brewer Block, Ada, Ohio.
Warren Refining & Chemical Co., E. L. Cannon, Pres., 9420 Meech Ave., Cleveland, Ohio.
Watson, H. F., Co., E. 16th St., Erie, Pa.
Weaver-Henry Mfg. Co., 2440 E. 8th St., Los Angeles, Calif.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 393, MALLEABLE IRON OR STEEL UNIONS

Corley-DeWolfe Co., F. W. Davey, Asst. Treas., 323 Pine St., Elizabeth, N. J.
Crane Co., C. D. Little, V. Pres., charge of sales, 836 S. Michigan Ave., Chicago, Ill.
General Fittings Co., Stanley G. Cady, Pres., 100 Baker St., Providence, R. I.
Jefferson Union Co., Daniel T. Groff, V. Pres., Fletcher Ave., Lexington, Mass.
Keating, E. F., Co., E. F. Keating, Pres., 452 Water St., New York, N. Y.
King Union Co. (Inc.), Henry Diamond, Treas., Hillsgrove, R. I.
Kries, Henry A., & Son, C. A. Kries, Treas., 6 W. Lombard St., Baltimore, Md.
Lead Lined Iron Pipe Co., Thomas E. Dwyer, Pres., Broadway, Wakefield, Mass.
Limbert, Geo. B., & Co., D. C. Showers, V. Pres., 570 Fulton St., Chicago, Ill.
Rhode Island Fittings Co., Stanley Cady, Treas., 123 Georgia Ave., Providence, R. I.
Standard Union Co., Edward S. Crockett, Treas., 7 Water St., Boston, Mass.
Union Malleable Mfg. Co., B. F. Green, Asst. Treas., 8th St., Ashland, Ohio.

Spec. 396a, BRUSH, CALCIMINE

Atlas Brush Corp., B. K. Throckmorton, Sec. 160 John St. Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Detroit Quality Brush Mfg. Co., T. Weinbaum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. G. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Standard Broom & Brush Co., G. S. Schwartz, owner, Portland, Ind.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 397a, BRUSH, DUST, CEILING AND WALL

Baird Brush Mfg. Co. (Inc.), R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bermes, Daniel, Co., Geo. F. Sauer, jr., Pres., 114 44th St., Union City, N. J.
Brenner, A., A. Brenner, 12 N. 3d St., Phila., Pa.
Caro, Jean, Products Co., L. F. Lauth, Gen. Mgr., Spring & Chicago Ave., Freeport, Ill.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Dearborn Mfg. Co., J. C. Singleton, Sec., 550 W. Harrison St., Chicago, Ill.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Du-All Mfg. Co., R. F. Henn, Pres., Geneva, Ohio.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Laitner, A., & Sons, E. A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Metal-Bound Brush & Broom Co., C. H. Longman, Pres., 119 E. Pearl St., Cincinnati, Ohio.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Murk, Hermann G., & Co., Hermann G. Murk, owner, 43 Wells St., Hartford, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Robertson, Theo. B. Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Sullivan Brush Co., J. B. Miller, Pres., 15 N. State St., Sullivan, Ind.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 398, BRUSH, FIBER, GARAGE

Baird Brush Mfg. Co. (Inc.), R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Dearborn Mfg. Co., J. C. Singleton, Sec., 550 W. Harrison St., Chicago, Ill.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Laitner, A., & Sons, Edw. A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Leonard Brush & Woodenware Co., W. T. Adams, Pres., 901 W. Main St., Louisville, Ky.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Manufacturers Brush Co., R. M. Manning, Sec., 1950 W. 114th St., Cleveland, Ohio.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 784 30th St., Milwaukee, Wis.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.
Standard Broom & Brush Co., G. S. Schwartz, owner, Portland, Ind.
Steiert, A., & Son, Russell Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Van Tine, Bartlett, & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 399b, BRUSH, FLAT, FITCH

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Elder & Jenks, F. R. Maxwell, Mgr., 415 Vine St., Phila., Pa.
Flynn Bros., James Flynn, jr., owner, 436 Fifth Ave., Troy, N. Y.
Grumbacher, M., Walter Grumbacher, Mem. of firm, 160 Fifth Ave., New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Pittsburg Brush Co., F. D. Jacobs, Pres., 207 W. Canal St., Pittsburg, Pa.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Sheets, W. H., jr., & Co., J. P. McGonigle, Gen. Mgr., 121 S. Charles St., Balto., Md.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Warner, W. E. & Co., G. Meyer, partner, 136 Center St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Wooster Brush Co., O. H. Foss, Ind. sales Mgr., 1 Madison Ave., Wooster, Ohio.

Spec. 400a, SWEEP, FLOOR, HAIR

Auburn Brush Co. (Inc.), LeRoy B. Breneman, sales Mgr., Market St. & Alley 1, Columbia, Pa.
Baird Brush Mfg. Co. (Inc.), R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Bermes, Daniel Co., Geo. F. Sauer, jr., Pres., 114 44th St., Union City, N. J.
Brenner, A., A. Brenner, 12 N. 3d St., Phila., Pa.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Dearborn Mfg. Co., J. C. Singleton, Sec., 550 W. Harrison St., Chicago, Ill.
Dennin, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 6th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Laitner, A., & Sons, E. A. Laitner, Mgr., 2000 Brooklyn Ave., Detroit, Mich.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Milwaukee Brush Mfg. Co., E. P. Sturch, Pres., 784 30th St., Milwaukee, Wis.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Moran Bros., Geo. F. Moran, Partner, 10 Whiting St., New Haven, Conn.
Murk, Hermann G., & Co., Hermann G. Murk, owner, 43 Wells St., Hartford, Conn.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Nebr.
Ox Fibre Brush Co., J. W. Wolfe, Office Mgr., Frederick, Md.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.

Robertson, Theo. B., Products Co. (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.

Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.

Steiert, A., & Son, Russell Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.

Sullivan Brush Co., J. B. Miller, Pres., 15 N. State St., Sullivan, Ind.

Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.

United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.

United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.

Van Tine, Bartlett, & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.

Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.

Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Young Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 401b, BRUSH, GLUE, ROUND

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.

Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.

Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.

Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.

Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.

Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.

Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.

Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.

United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.

Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 402a, BRUSH, GLUE, FLAT

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.

Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.

Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.

Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.

Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.

Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.

Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.

Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.

United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.

Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 403a, BRUSH, LACQUERING, FLAT, CAMEL HAIR

Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.

Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.

Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.

Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.

Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.

Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.

United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.

Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 404b, BRUSH, MARKING

Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.

Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.

Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.

Manufacturers Brush Co., R. M. Manning, Sec., 1950 W. 114th St., Cleveland, Ohio.

Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.

Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.

Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.

United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.

Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 405a, BRUSH, MOTTLING, CAMEL HAIR

Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 406b, BRUSH, SASH TOOL, OVAL

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 407, BRUSH, HAND SCRUB, WHITE TAMPICO

Ames Brush Co., W. W. Conklin, Treas., 3800 Detroit Ave., Toledo, Ohio.
Dennin, O., Sons (Inc.), E. A. Dennin, Treas., 120th St. & 6th Ave., Troy, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Felton United Brush Co., R. H. Daniels, Gen. Mgr., Toledo, Ohio.
Flatt, Jos. O., & Co., Geo. W. Flatt, Gen. Mgr., 137 Cedar St., Reading, Pa.
Herold Bros. Co., K. G. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
India Brush & Mat Co., Walter B. Scott, Mgr., 273 Dubois St., Detroit, Mich.
Manufacturers Brush Co., R. M. Manning, Sec., 1950 W. 114th St., Cleveland, Ohio.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Ox Fibre Brush Co., J. W. Wolfe, office Mgr., Frederick, Md.
Rhode Island Brush Co., A. C. Rounds, 50 Daniel Ave., Providence, R. I.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 411, TABLEWARE, SILVER PLATED

Gorham Co., Edmund C. Mayo, Pres., Elmwood Sta., Providence, R. I.
International Silver Co., Geo. H. Wilcox, Pres., Meriden, Conn.
Oneida Community (Ltd.), G. Wayland Smith, V. Pres., Kenwood Sta., Oneida, N. Y.
Pick, Albert, & Co., R. W. Wehrwein, Asst. Mdse. Mgr., 208 W. Randolph St., Chicago, Ill.
Reed & Barton, Arthur Ashworth, V. Pres., 144 W. Britannia St., Taunton, Mass.
Wallace, R., & Sons Mfg. Co., C. D. Morris, V. Pres., Wallingford, Conn.
Williams Bros. Mfg. Co., Geo. H. Pinney, Treas., Nantuc Ave., Glastonbury, Conn.

Spec. 413a, PADLOCKS

American Hardware Corp., W. H. Booth, Asst. Treas., Cor. Park & Orchard St., New Britain, Conn.
Best Universal Lock Co., A. L. Haggard, V. Pres. purchasing & sales, 1121 Post St., Seattle, Wash.
Bohannon, Wilson, Co., Wilson B. Tway, Pres., Mound & Buckeye Sts., Marion, Ohio.
Corbin Cabinet Lock Co., Harrison L. Taylor, Mgr., 21 Warren St., New York, N. Y.
Eagle Lock Co., A. W. Clark, sales Mgr., 26 Warren St., New York, N. Y.
Edwards, O. M., Co. (Inc.), O. M. Edwards, Sec., Plum & Solar Sts., Syracuse, N. Y.
Fraim, E. T., Lock Co., Samuel R. Fraim, Pres., 237 Park Ave., Lancaster, Pa.
Fraim-Slaymaker Hardware Co. (Inc.), Henry H. Hanton, Treas., West End Ave. & First Sts., Lancaster, Pa.
Independent Lock Co., Bernard S. Falk, Mgr., 47 Prescott St., Fitchburg, Mass.
Junkune Bros., George F. Unterbery, Gen. Mgr., 1145 W. Garfield Blvd., Chicago, Ill.
Lockwood Mfg. Co., George E. Eddy, V. Pres., 405 W. Redwood St., Balto., Md. (Types 1, 1a, 2, 2a, 6 & 6a only.)
Lockwood Mfg. Co., Nelson Taylor Hays, Sec., Pay & Raymond Sts., South Norwalk, Conn.
Reese Padlock Co., J. E. Hershey, sales Mgr., Lancaster, Pa.
Sargent & Co., Murray Sargent, Sec., Water St., New Haven, Conn.
Sargent & Greenleaf (Inc.), Wm. F. Diesel, V. Pres., 1176 Joseph Ave., Rochester, N. Y.
Segal Lock & Hardware Co. (Inc.), Edward Segal, Asst. Sec., 55 Ferris St., Brooklyn, N. Y.
Yale & Towne Mfg. Co., E. C. Waldvogel, V. Pres., Stamford, Conn.

Spec. 422a, HUCK TOWELS (WITH WOVEN NAME)

Boott Mills, F. A. Flather, Treas., foot of John St., Lowell, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. firm, 78 Leonard St., New York, N. Y., sole selling agents.)
Cannon Mills (Inc.), F. A. Williams, V. Pres., 70 Worth St., New York, N. Y.
Cone Export & Commission Co., S. F. Dennan, V. Pres., 343 Broadway, New York, N. Y.
Elliott Granite Linen Corp., James M. Walsh, Pres., 44 White St., New York, N. Y.
Foster Textile Corp., N. R. Foster, Pres., Lockport, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Lake Shore Towel Mills, H. E. Orts, Sec., Railroad Ave., Cassadaga, N. Y.
Niagara Textile Co., H. Ransom, V. Pres., Transit St., Lockport, N. Y.
Roloson Mfg. Co. (Inc.), B. U. Dotson, V. Pres., 121 W. Water St., Lima, Ohio.
Superba Towel Co., Timothy Mooney, Treas., 99 Irving St., Fall River, Mass.
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.
Wellington, Sears & Co., Charles O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.
Woodward Baldwin & Co., G. Brent Dorsey, partner, 43 Worth St., New York, N. Y.

Spec. 423, ROOFING, PREPARED, ASPHALT AND ASBESTOS, SLATE-SURFACED

American Asphalt Roof Corp., E. E. Vernick, Sec., 15th & Blue River, Kansas City, Mo.
Barber Asphalt Co., C. W. Bayliss, V. Pres., 1600 Arch St., Phila., Pa.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Brantford Roofing Co. (Ltd.), Sydenham St., Brantford, Ontario, Canada.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Goheen Corp. of N. J., M. F. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
McHenry Millhouse Mfg. Co., M. C. Hendershot, Sec., 1702 S. Franklin St., South Bend, Ind.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
National Asbestos Mfg. Co., C. S. Brooke, V. Pres., 163 Henderson St., Jersey City, N. J.
Pen Mar Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Safepack Mills, W. M. Floring, V. Pres., Millis, Mass.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.

Spec. 424, ROOF COATING, ASPHALT FIBROUS

Albion Mfg. Co., E. A. Nelson, Pres., 5710 Corson Ave., Seattle, Wash.
American Asphalt Roof Corp., E. E. Vernick, Sec., 15th & Blue River, Kansas City, Mo.
Ashland Paint Co., E. W. Miller, Gen. Mgr., Huntington, W. Va.
Asphalt Roofing Products Co. (Inc.), J. E. Cassidy, Pres., 815 15th St., NW., Washington, D. C.
Barrett Co., R. V. Mahon, V. Pres., 40 Rector St., New York, N. Y. (Except fiber length.)
Beaver Products Co. (Inc.), J. B. Cary, V. Pres., Ontario St., Buffalo, N. Y.
Berkheimer, J. E., Mfg. Co., J. A. Delaney, Sec., 2928 S. M St., Tacoma, Wash.
Bird & Son (Inc.), B. H. Roberts, Mfg. Mgr., 1472 W. 76th St., Chicago, Ill.
Brantford Roofing Co. (Ltd.), Sydenham St., Brantford, Ontario, Canada.
Buckeye Paint & Varnish Co., P. F. Whalen, jr., V. Pres., 15th & Lucas Sts., Toledo, Ohio.
Byerlyte Co., D. N. Myers, Gen. Mgr., 2484 W. 4th St., Cleveland, Ohio.
Calbar Paint & Varnish Co., V. E. Dewees, V. Pres., 2620 Martha St., Phila., Pa.
Carey, Philip, Co., R. A. Gaines, Mgr. Paint Dept., Lockland, Cincinnati, Ohio.
Certain-teed Products Corp., L. R. Walker, V. Pres., 100 E. 42d, New York, N. Y.
Chacon Trading Co., R. M. Chacon, Gen. Mgr., 82 Beaver St., New York, N. Y.
Continental Products Co., M. K. Einstein, Treas., E. 222d & Nickel Plate R. R., Euclid, Ohio.
Coopers Creek Chemical Co., R. J. Titzel, V. Pres., W. Conshohocken, Pa.
Eagle Paint & Varnish Co., O. Greenberg, Pres., 10211 Harvard Ave., Cleveland, Ohio.
Eclipse Paint & Color Co., C. P. Cox, sales Mgr., 105 N. 7th St., St. Louis, Mo.
Ehret Magnesia Mfg. Co., J. P. Dubois, sales Mgr., Valley Forge, Pa.
Elliott Varnish Co., H. A. Rowland, Pres., 4525 Fifth Ave., Chicago, Ill.
French, Samuel H., & Co., E. T. Longstreth, V. Pres., 400 Callowhill St., Phila., Pa.
Frost Paint & Oil Co., H. S. Frost, Sec., 1209 Tyler St., N. E., Minneapolis, Minn.
Garrett, C. S., & Son Corp., W. R. Cole, V. Pres., 20 S. Marshall St., Phila., Pa.
Glidden Co. of Calif., L. A. Freeman, Sec., 1300 7th St., San Francisco, Calif.
Goheen Corp. of N. J., N. F. Ludeau, Sec., 202 Emmet St., Newark, N. J.
Hampden Paint & Chemical Co., C. C. Carlson, Asst. Treas., Springfield, Mass.
Hetzel, J. G., Estate, T. A. Baudermann, sales Mgr., 67 Maine St., Newark, N. J.
Johns-Manville Corp., C. E. Horton, Asst. Treas., 292 Madison Ave., New York, N. Y.
Joseph Mfg. Co., J. S. Pedrick, Owner, 122 Chestnut Ave., Woodlynne, N. J.
Klein Mfg. Co., H. A. Jaenlee, Sec., 402 Perry-Payne Bldg., Cleveland, Ohio.
Knapp, E. J., Co., C. H. Knapp, Pres., Belding, Mich.
Lastik Products Corp., H. Arnwake, V. Pres., Clyde & P. R. R., Wampum, Pa.
Lehon Co., T. Lehon, V. Pres., 44th St. & Oakley Ave., Chicago, Ill.
Lewis Asphalt Engineering Corp., R. W. Lewis, Pres., 30 Church St., New York, N. Y.
Logan Long Co., C. H. Sloeum, Sec., 37 W. Van Buren St., Chicago, Ill.

Merkin, M. J., Paint Co. (Inc.), E. Burger, Gen. Mgr., 25 Spruce St., New York, N. Y.
Mica Insulating Roofing & Supply Co. (Inc.), R. B. Martin, V. Pres., 200 5th St., S. W., Mason City, Iowa.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Miller & Graham, F. D. Graham, Mem. firm, 21 S. Gay St., Balto., Md.
Missouri Paint & Varnish Co., J. B. Frank, V. Pres., 5125 N. 2d St., St. Louis, Mo.
National Asbestos Mfg. Co., C. S. Brooks, V. Pres., 163 Henderson St., Jersey Cy., N. J.
National Roofing Co., Paul Bennett, sales Mgr., Tonawanda, N. Y.
No-Leak Roofing & Paint Co., R. A. Burch, Pres., Beechwood Ave., Toledo, Ohio.
Ohmlac Paint & Refining Co., L. F. Linaley, Pres., 140 S. Dearborn St., Chicago, Ill.
Pen Mar. Co. (Inc.), E. H. Thompson, Gen. Mgr., 323 Munsey Bldg., Balto., Md.
Perry & Derrick Co., F. J. Derrick, Pres., Box 612, Cincinnati, Ohio.
Pioneer Asphalt Co., J. Young, Pres., 251 Front St., New York, N. Y.
Remolite Paint Co. (Inc.), W. P. Wesson, Pres., 2019 E. 38th St., Los Angeles, Calif.
Ruberoid Co., E. M. Johnson, Sec., 95 Madison Ave., New York, N. Y.
Safepack Mills, W. M. Floring, V. Pres., Millis, Mass.
Sifo Products Co., E. D. Langan, V. Pres., 1120 E. 7th St., St. Paul, Minn.
Solar Compounds Corp., S. N. Hersloff, Treas., Whittier St., Linden, N. J.
Star Paint & Varnish Co., A. B. Shaw, Mgr., 1530 E. 115th St., Cleveland, Ohio.
Steelcote Mfg. Co., H. E. Niedt, Mem. firm, Theresa & Gratiot Sts., St. Louis, Mo.
Stelwagon Mfg. Co., J. Stelwagon, Pres., 19th St. & Washington Ave., Phila., Pa.
Suydam, M. B., Co., R. S. Suydam, Pres., Preble & Island Aves., (North Side), Pittsburgh, Pa.
Truscon Laboratories, R. A. Plumb, Gen. Mgr., Caniff Ave. & Grand Trunk R. R., Detroit, Mich.
Turnerised Roofing Co., F. L. Kinsman, V. Pres., Brewer Block, Ada, Ohio.
Watson, H. F., Co., R. C. McClucathan, V. Pres., E. 16th St., Erie, Pa.
Zophar Mills (Inc.), H. J. Blank, Pres., 587 Court St., Brooklyn, N. Y.

Spec. 425, PAPER, CARBON, BLACK, LIGHTWEIGHT (FOR TYPEWRITER USE)

Allen & Co., F. H. Wahle, Sec., 13 Vandewater St., New York, N. Y.
American Manifold Products Corp., A. M. Oppenheimer, Sec. & Treas., 2900 Darwin Terrace, Chicago, Ill.
Apter, M. S., Mfg. Co., M. S. Apter, Owner, 552 W. Harrison St., Chicago, Ill.
Ault & Wiborg Co., R. A. Moore, Dept. Mgr., New, 7th & Culvert Sts., Cincinnati, Ohio.
Blake Moffit & Towne, N. D. Hopkinson, V. Pres., 41 1st St., San Francisco, Calif.
Caxton Laboratories (Inc.), Ward J. Downs, Pres., 51 Elizabeth St., New York, N. Y.
Codo Mfg. Corp., F. S. Cooper, Pres., 1220 2d Ave., Coraopolis, Pa.
Columbia Carbon Co., The, W. F. Dill, Treas., 139 S. Main St., Dayton, Ohio.
Columbia Ribbon & Carbon Mfg. Co. (Inc.), Howard M. Traevern, Order Dept. Mgr., 69 Wooster St., New York, N. Y.
Consolidated Ribbon & Carbon Co., C. W. Oppenheimer, Pres., 63 E. Adams St., Chicago, Ill.
Corona Supply Co., W. B. Pannell, Sec., 4 Hart St., Rochester, N. Y.
Duplico Mfg. Co., Chas. E. Archbald, Pres., 65 Vine St., New Brunswick, N. J.
Foyer, Chas. A., & Co., Geo. J. Foyer, 1104 Prospect Ave., Cleveland, Ohio.
General Manifold & Printing Co., The, Clifford Bannard, Pres., 6th & Buffalo Sts., Franklin, Pa.
Heall, J. A., & Co. (Inc.), Lillian I. Clark, Sec., 81 Chambers St., New York, N. Y.
Hess Hawkins Co., B. Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.
Hunt, Jasper Mfg. Co., The, T. F. Ellison, Pres., 25 S. Desplaines St., Chicago, Ill.
Impression Products Co., John B. Jenkins, Pres., 1220 2d Ave., Coraopolis, Pa.
Iron Clad Ribbon & Carbon Co., George L. Norris, Sec., 150 Greene St., New York, N. Y.
Miller-Bryant-Pierce Co., T. G. Roehm, V. Pres., 189 S. River St., Aurora, Ill.
Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Pen Yan, N. Y.
Mittag Volger (Inc.), A. H. Barkerding, V. Pres., Park Ridge, N. J.
Non-Smut Carbon Mfg. Co. (Inc.), E. E. Forster, Treas., 207 Tremont St., Rochester. N. Y.
Ohashi Co. (Inc.), A. F. Deile, V. Pres., 54 Leonard St., New York, N. Y.
Old Town Ribbon & Carbon Co. (Inc.) A. Bruhl, Sec. pro tem., 176 Johnson St., Brooklyn, N. Y.
Pacific Carbon & Ribbon Mfg. Co., J. Francis O'Connor, Pres., 1451 Harrison St., San Francisco, Calif.
Phillips Ribbon & Carbon Co. (Inc.), J. R. Battelle, V. Pres., 61 Halstead St., Rochester, N. Y.
Smith, S. T., Co., Thos. H. Hindle, Mgr., 116 Duane St., New York, N. Y.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Underwood, John & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.
Union Ribbon & Carbon Co., Arthur E. Moorshead, Treas., 67 Laurel St., Phila., Pa.
Vacuo Static Carbon Co., H. H. Miller, Pres., 77 St. Paul St., Rochester, N. Y.
Western Carbon Paper Mfg. Co., C. K. Bland, Pres., 800 E. 16th St., Los Angeles, Calif.
Write (Inc.), Charles B. Bacon, Pres., 405 Lexington Ave., New York, N. Y.

Spec. 426, PAPER, CARBON, BLACK, STANDARD WEIGHT (FOR TYPEWRITER USE)

Allen & Co., F. H. Wahle, Sec., 13 Vandewater St., New York, N. Y.
American Manifold Products Corp., A. M. Oppenheimer, Sec. & Treas., 2900 Darwin Terrace, Chicago, Ill.
Ault & Wiborg Co., R. A. Moore, Dept. Mgr., New, 7th & Culvert Sts., Cincinnati, Ohio.
Blake, Moffitt & Towne, N. D. Hopkinson, V. Pres., 41 1st St., San Francisco, Calif.
Caxton Laboratories (Inc.), Ward J. Downs, Pres., 51 Elizabeth St., New York, N. Y.
Codo Mfg. Corp., F. S. Cooper, Pres., 1220 2d Ave., Coraopolis, Pa.
Columbia Carbon Co., W. F. Dill, Treas., 139 S. Main St., Dayton, Ohio.
Columbia Ribbon & Carbon Mfg. Co. (Inc.), Howard M. Traevern, Order Dept. Mgr., 69 Wooster St., New York, N. Y.
Consolidated Ribbon & Carbon Co., C. W. Oppenheimer, Pres., 63 E. Adams St., Chicago, Ill.
Corona Supply Co., W. B. Pannell, Sec., 4 Hart St., Rochester, N. Y.
Duplico Mfg. Co., Chas. E. Archbald, Pres., 65 Vine St., New Brunswick, N. J.
Foyer, Chas. A., & Co., Geo. J. Foyer, 1104 Prospect Ave., Cleveland, Ohio.
General Manifold & Printing Co., The, Clifford Bannard, Pres., 6th & Buffalo Sts., Franklin, Pa.
Heall, J. A., & Co. (Inc.), Lillian I. Clark, Sec., 81 Chambers St., New York, N. Y.
Hess Hawkins Co., B. Paradise, Pres., 561 Grand Ave., Brooklyn, N. Y.
Hunt, Jasper Mfg. Co., The, T. F. Ellison, Pres., 25 S. Desplaines St., Chicago, Ill.
Impression Products Co., John B. Jenkins, Pres., 1220 2d Ave., Coraopolis, Pa.
Iron Clad Ribbon & Carbon Co., George L. Norris, Sec., 150 Greene St., New York, N. Y.
Miller-Bryant-Pierce Co., T. G. Roehm, V. Pres., 189 S. River St., Aurora, Ill.
Milo Ribbon & Carbon Corp., Joseph P. Craugh, Treas., 206 Elm St., Pen Yan, N. Y.
Mittag Volger (Inc.), A. H. Barkerding, V. Pres., Park Ridge, N. J.
Non-Smut Carbon Mfg. Co. (Inc.), E. E. Forster, Treas., 207 Tremont St., Rochester, N. Y.
Ohashi Co. (Inc.), A. F. Deill, V. Pres., 54 Leonard St., New York, N. Y.
Old Town Ribbon & Carbon Co. (Inc.), A. Bruhl, Sec. pro tem, 176 Johnson St., Brooklyn, N. Y.
Pacific Carbon & Ribbon Mfg. Co., J. Francis O'Connor, Pres., 1451 Harrison St., San Francisco, Calif.
Phillips Ribbon & Carbon Co. (Inc.), J. R. Battelle, V. Pres., 61 Halstead St., Rochester, N. Y.
Smith, S. T., Co., Thos. H. Hindle, Mgr., 116 Duane St., New York, N. Y.
Stafford, S. S. (Inc.), W. S. Stafford, Pres., 609 Washington St., New York, N. Y.
Stenno Ribbon & Carbon Mfg. Co., George L. Kochn, Pres., 740 Sandy Blvd., Portland, Oreg.
Underwood, John, & Co., H. G. Teele, Mgr., 62 Park Place, New York, N. Y.
Union Ribbon & Carbon Co., Arthur E. Moorshead, Treas., 67 Laurel St., Phila., Pa.
Vacuo Static Carbon Co., H. H. Miller, Pres., 77 St. Paul St., Rochester, N. Y.
Wright (Inc.), Charles B. Bacon, Pres., 405 Lexington Ave., New York, N. Y.

Spec. 427a, SEAMLESS BRASS TUBING

American Brass Co., E. T. Ingham, Asst. sales Mgr., 414 Meadow St., Waterbury, Conn.
American Tube Works, John J. Dervan, Treas., 10 Oliver St., Boston, Mass.
Baltimore Tube Co. (Inc.), R. S. Stringer, V. Pres., Ostend & Wicomico Sts., Balto. Md. (Grade 3 only.)
Bridgeport Brass Co., W. R. Webster, V. Pres., 774 E. Main St., Bridgeport, Conn.
Chase Brass & Copper Co. (Inc.), Robert L. Coe, V. Pres., 236 Grand St., Waterbury, Conn.
Jolley, J. H., & Co., John Jolley, jr., Mem. firm, 42 N. Fifth St., Phila., Pa.
Mackenzie-Walton Co., John M. Mackenzie, Treas., Pawtucket Ave., Pawtucket, R. I. (Grades 1 and 3 only.)
National Copper & Smelting Co., Homer B. Smith Sec., 12120 Euclid Ave., Cleveland, Ohio. (Grade 1 only.)
Paper & Textile Machinery Co., D. Lake, Treas., Sandusky, Ohio.
Penn Brass & Copper Co., Karl W. Wilks, Gen. Mgr., 1120 W. 18th St., Erie, Pa.
Rome Brass & Copper Co., L. A. Wiggins, sales Mgr., Bouck St., Rome, N. Y.
Scovill Mfg. Co., F. J. Gorse, Asst. Treas., 99 Mill St., Waterbury, Conn. (Grade 2, Type C only.)
United Wire & Supply Corp., H. W. Dittmeyer, sales Mgr., Providence, R. I.
Wheeler, Foster, Corp., Thos. Bostock, Asst. Treas., Carteret, N. J.

Spec. 466, CONVEYOR BELTING (STITCHED DUCK)

American Rubber Mfg. Co., J. Krattign, Sec., 1199 Park Ave., Oakland, Calif.
Carpenter, Geo. B., Co., Fred A. McLanehlan, V. Pres., 440 N. Wells St., Chicago, Ill.
Hettrock Mfg. Co., M. J. Wagner, Mgr. belt Dept., 1401 Summit St., Toledo, Ohio.
Imperial Belting Co., D. R. McKay, V. Pres., 400 N. Lincoln St., Chicago, Ill.
Main Belting Co., W. H. Tobey, Treas., 1241 Carpenter St., Phila., Pa.
Manheim Mfg. & Belting Co., M. G. Hess, Gen. Mgr., Manheim, Pa.
Mt. Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
Quaker City Rubber Co., H. R. Shellenberger, Sec., Comly & Milnor Sts., Wissinoming, Phila., Pa.
Turner Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.

Spec. 475b, BOILED LINSEED OIL

(Now being revised).

Spec. 476, YELLOW CHROME (LEMON, MEDIUM AND ORANGE, DRY, PASTE IN OIL, PASTE IN JAPAN)

(Now being revised.)

Spec. 484a, PAPER, MANIFOLD, 50 PER CENT RAG, WHITE AND COLORED, UNGLAZED

(Now being revised.)

Spec. 485, ENCASED METALLIC GASKETS

Akron Metallic Gasket Co., A. H. Kinzel, Mgr., 150 N. Union St., Akron, Ohio.
Fitzgerald Mfg. Co., M. D. Fitzgerald, V. Pres., 34 Barker St., Torrington, Conn.
McCord Radiator Mfg. Co., Ford Wilders, 2588 E. Grand Blvd., Detroit, Mich.
Metallo Gasket Co., Zeno Schultes, Pres., 12 Bethany St., New Brunswick, N. J.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
Phoenix Specialty Mfg. Co., A. H. Lowman, Sec., 155 Wooster St., New York, N. Y.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Indestructible Gasket Co., Lewis J. Rebele, Sec., 829 E. 15th St., Brooklyn, N. Y.

Spec. 486, HARD FIBER SHEET PACKING

Delaware Hard Fiber Co., Wm. S. Rupert, Treas., Wilmington, Del.
Duroyd Gasket & Die Mfg. Co., H. Paul Berger, Gen. Mgr., 1828 Amsterdam Ave., New York, N. Y.
Hewitt-Gutta Percha Rubber Corp., F. V. Springer, V. Pres., 240 Kensington Ave., Buffalo, N. Y.
National Vulcanized Fibre Co., W. F. Miller, Asst. Treas., Maryland Ave. & Beech Sts., Wilmington, Del.
Spaulding Fibre Co. (Inc.), Cecil M. Pike, Asst. Treas., 310 Wheeler St., Tonawanda, N. Y.
Strong Machinery & Supply Co., Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
Whitney, Jos. A., Jos. A. Whitney, 333 Arch St., Camden, N. J.

Spec. 487, ASBESTOS WICK AND ROPE PACKINGS

Anchor Packing Co., W. R. Haggart, V. Pres., 1014 Arch St., Phila., Pa.
Asbestos Fibre Spinning Co., Wm. H. Huber, Pres., Elm Ave., North Wales, Pa.
Asbestos Textile Co., Frank Smith, Asst. Sec., 475 Fifth Ave., New York, N. Y.
Braiding & Packing Works of America, A. L. Markel, Treas., 250 46th St., Brooklyn, N. Y.
Chesterton, A. W., Co., A. W. Chesterton, Pres., 64 India St., Boston, Mass.
Crandall Packing Co., A. R. Gillman, Treas., Palmyra, N. Y.
Federal Metallic Packing Co., R. H. Osborn, Gen. Mgr., Foundry St., Wakefield, Mass.
General Asbestos & Rubber Co., E. H. Jeffords, V. Pres., P. O. Box 67, N. Charleston, S. C.
Johns-Manville Corp., J. Newman, Asst. Treas., 292 Madison Ave., New York, N. Y.
Keasbey & Mattison Co., J. M. Weaver, Gen. sales Mgr., Ambler, Pa.
Mikesell Co., H. S. Mikesell, Pres., 1223 S. Wabash Ave., Chicago, Ill.
National Asbestos Packing Mfg. Co. (Inc.), Fred W. Blank, Pres., 28½–30 Front St., New York, N. Y.
Philadelphia Asbestos Co., Jas. Davis, jr., Sec., 2010 N. 10th St., Phila., Pa.
Raybestos Co., Morton F. Judd, V. Pres., Railroad & Bostwick Ave., Bridgeport, Conn.
Standard Packings Co., Ernest H. Smith, Pres., 6523 Euclid Ave., Cleveland, Ohio.
Strong Machinery & Supply Co.. Chas. E. Strong, Pres., 121 Spring St., New York, N. Y.
United States Asbestos Co., O. H. Cillry, Sec., Steigel, St. Manheim, Pa.
Whitney, Jos. A., Jos. A. Whitney, 333 Arch St., Camden, N. J.

Spec. 489, CAST-IRON PIPE FITTINGS (THREADED)

Cornell & Underhill, C. G. Cornell, jr., sole owner, 311 Spring St., New York, N. Y.
Crane Co., C. D. Little, V. Pres. charge of sales, 836 S. Michigan Ave., Chicago, Ill.
Grinnell Co. (Inc.), Russell Bontecon, sales Mgr. supply Div., 260 W. Exchange St., Providence, R. I.
Jarecki Mfg. Co., Alex. Jarecki, Pres., Erie, Pa.
Keating, E. F., Co., E. F. Keating, Pres., 452 Water St., New York, N. Y.
Kries, Henry A., & Sons, C. A. Kries, Treas., 6 W. Lombard St., Balto., Md.
Lead Lined Iron Pipe Co., Thomas E. Dwyer, Pres., Broadway, Wakefield, Mass.
Limbert, Geo. B., & Co., D. C. Showers, V. Pres., 570 Fulton St., Chicago, Ill.
Moser Mfg. Co., H. Hollingsworth, Pres., Wilcox Road, Kane, Pa.
Newbury Mfg. Co., F. A. Newbury, Monroe, N. Y.
Pittsburgh Valve & Fittings Co., C. L. Selkregg, V. Pres., Barberton, Ohio.
Rudisill Soil Pipe Co., H. B. Rudisill, Pres., P. O. Box 137, Anniston, Ala.
United Iron Works (Inc.), D. C. Morrow, Pres., 4th & Griffin Sts., Okmulgee, Okla.

Spec. 497a, WOOL BUNTING

Carpenter, Geo. B., & Co., Thomas D. Lewis, Mgr., cotton goods Dept., 440 N. Wells St., Chicago, Ill.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Henry, C. J., Co., Virgil J. Oliver, Mgr., 27 Main St., San Francisco, Calif.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, Owner, 615 Chestnut St., Phila., Pa.
Turner, Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.
United States Bunting Co., C. Brooks Stevens, Treas., Crosby St., Lowell, Mass.
Wellington, Sears & Co., Charles O. Richardson, Mem. firm, 93 Franklin St., Boston, Mass.

Spec. 498, WHITE TABLE OILCLOTH

F & K Shade Co., Jacob Frendenheimer, 22 Strawberry St., Phila., Pa.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Wadsworth & Woodman Co., H. S. Woodman, Treas., Sumner St., Withrop, Me.

Spec. 499, JUTE BURLAP

Arkell & Smiths, P. T. Bowden, V. Pres., Gen. Mgr., Mill St., Canajoharie, N. Y.
Bacon Mfg. Co., Edward W. Bacon, Pres., 100 Main St., Belleville, N. J.
Bonar, Thomas, Co. (Inc.), Hayes S. Shimp. V. Pres., 54 Worth St., New York, N. Y.
Burkart, F., Mfg. Co., M. A. Grosjean, Asst. Sec., 4900 N. 2d St., St. Louis, Mo.
Carpenter, Geo. B., Co., Thomas D. Lewis, Mgr. Cotton Goods Dept., 440 N. Wells St., Chicago, Ill.
Central Bag & Burlap Co., H. S. Eckhouse, Sec., 4513 S. Weston Blvd., Chicago, Ill.
Chase Bag Co., Deane Hall, Sec., 250 W. 57th St., New York, N. Y.
Chase, H. & F., Wm. A. Lefavour, Mgr., 267 Atlantic Ave., Boston, Mass.
Cohen, Harry, & Co., George Cohen, Mem. firm, 3436 Klickitat Ave., Seattle, Wash.
Dayton Bag & Burlap Co., J. E. Finn, V. Pres., 38 S. Canal St., Dayton, Ohio.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Feitel, Dan W., Bag Co. (Ltd.), Benj. Franklin Feitel, Sec., Plymouth, Adams, John & Pearl Sts., Brooklyn, N. Y.
Fulton Bag & Cotton Mills, J. Elasas Phillips, Dept. Mgr., P. O. Box 1726, Atlanta, Ga.
General Fiber Co., Nathan Gumbin, Treas., Union & Lumber Sts., Chicago, Ill.
Harris Co. (Inc.), Chas. E. Howell, Dir. 106 Worth St., New York, N. Y.
Hoffman Crown Mfg. Co., Geo. F. Hoffman, Owner, 615 Chestnut St., Phila., Pa.
Ingram, Hill, Co., Hill Ingram, owner, 50 Cliff St., New York, N. Y.
Lawson, Jacob, Bag Co., Oliver M. Lawson, Treas., 264 Water St., New York, N. Y.
Mente & Co. (Inc.), R. B. Parker, sales Dept., 1430 S. Peters St., New Orleans, La.
Mitsui & Co. (Ltd.), T. Ukal, Asst. Mgr., New York Branch, 65 Broadway, New York, N. Y.
Philadelphia Bag Co., F. M. Underkuffler, Treas., 86 Tasker St., Phila., Pa.
Pottash Bros. Co., Max Pottash, Treas., Water & Wolf Sts., Phila., Pa.
Scott, James & Sons, H. O. Cowan, V. Pres., 219 Broadway, New York, N. Y.
Southern States Bag Co., George D. Green, Sec., Tallyrand Ave., Jacksonville, Fla.
Star Sanitary Rag Co., Chas F. Neilson, jr., 2235 Ford Ave., Chicago, Ill.
Steinberg, M., & Son (Inc.), Adolph Steinberg, Sec., 163 Mercer St., New York, N. Y.
Whitridge & Co., Morris Whitridge, Mem. firm, 1407 Philpot St., Balto., Md.

Spec. 500, COTTON TABLECLOTHS

Bradford Textile Co., N. K. Chisholm, owner, 31 Edinboro St., Boston, Mass.
Elliott Granite Linen Corp., James M. Walsh, Pres., 44 White St., New York, N. Y.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Roloson Mfg. Co. (Inc.), B. U. Dotson, V. Pres., 121 W. Water St., Lima, Ohio.
Wellbrock, Moreland Textile Co., J. H. Moreland, V. Pres., 43 Leonard St., New York, N. Y.

Spec. 501, PLAIN VELVET CARPETS

Breslin Bros. Carpet Co. (Inc.), John L. McCloskey, Pres., 6th & Powell Sts., Gloucester, N. J.
Hardwick & Magee Co., Philip A. Hall, Dir., 650 W. Lehigh Ave., Phila., Pa.
Hirst-Roger Co., John T. Kommer, Treas., Allegheny & Kensington Ave., Phila., Pa.
Magee Carpet Co., W. Law, Pres., Bloomsburg, Pa.
Mohawk Carpet Mills (Inc.), Howard L. Shuttleworth, V. Pres., Amsterdam, N. Y.
Roxbury Carpet Co., Henry B. Sprague, Treas., McGrath Square, Saxonville, Mass.
Treganowan, Ernest, (Inc.), Ernest Treganowan, Pres., 37 W. 47th St., New York, N. Y.
Whittall, M. J., Associates (Ltd.), Mathew P. Whittall, Pres., Brussels St., Worcester, Mass.

Spec. 502, AXMINSTER CARPETS AND RUGS

Hightstown Rug Co., C. Herbert Davison, Pres., Hightstown, N. J.
Hodges Carpet Co., Victor G. Buettell, Treas., 295 Fifth Ave., New York, N. Y.
Mohawk Carpet Mills (Inc.), Howard L. Shuttleworth, V. Pres., Amsterdam, N. Y.
Roxbury Carpet Co., Henry B. Sprague, Treas., McGrath Square, Saxonville, Mass.
Treganowan, Ernest, (Inc.), Ernest Treganowan, 37 W. 47th St., New York, N. Y.

Spec. 503, WILTON CARPETS AND RUGS

Barrymore Seamless Wiltons (Inc.), C. S. Newton, Mgr., Clearfield & A Sts., Phila., Pa.
Breslin Bros. Carpet Co. (Inc.), John L. McCloskey, Pres., 6th & Powell Sts., Gloucester, N. J.
Cambria Carpet Co., John H. Davidson, Pres., 1528 N. Randolph St., Phila., Pa. (Wilton Carpet.)
Gulbenkian Seamless Rug Co., Charles L. Fitterly, V. Pres. & Gen. Mgr., Fulton St., New Brunswick, N. J.
Hardwick & Magee Co., Philip A. Hall, Dir., 650 W. Lehigh Ave., Phila., Pa.
Mohawk Carpet Mills (Inc.), Howard L. Shuttleworth, V. Pres., Amsterdam, N. Y.
Roxbury Carpet Co., Henry B. Sprague, Treas., McGrath Square, Saxonville, Mass.
Treganowan, Ernest, (Inc.), Ernest Treganowan, Pres., 37 W. 47th St., New York, N. Y.
Whittall, M. J., Associates (Ltd.), Mathew P. Whittall, Pres., Brussels St., Worcester, Mass.

Spec. 511, BROOMS, METAL CASE

Blandon Broom Works, B. W. Ziegler, Sec., Blandon, Pa.
Hamburg Broom Works, H. E. Seaver, Treas., Pine St., Hamburg, Pa.
Lay, Jos., Co., Frank Harker, Sec., Portland, Ind.
Red Hill Broom Works, Irwin Richard, Prop., Red Hill, Pa.
Sider, S. W., Broom Works, S. W. Sider, Prop., Wheatland Ave., Logansport, Ind.
Steiert, A., & Son, Russell Wangner, Gen. Mgr., Front & Reed Sts., Phila., Pa.
Stratton Broom Co., M. B. Stratton, Mgr., 1556 Deloss St., Indianapolis, Ind.
United States Broom Co. (Inc.), F. W. Shaw, Sec., 2356 Boies Ave., Davenport, Iowa.
United States Chemical Co., V. W. Mider, Gen. Mgr., Greenville, Ohio.

Spec. 512a, BRUSHES, FLOWING, BADGER HAIR

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., Geo. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 513a, BRUSHES, FLOWING, CAMEL HAIR

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Eberhard, Jos. F., & Son, Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 514a, BRUSHES, FLOWING, FITCH OR SKUNK HAIR

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 515a, BRUSHES, PAINT, FLAT METAL BOUND (HIGH GRADE)

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Sheets, W. H., jr., & Co., J. C. McGonigle, Mgr., 121 S. Charles St., Balto., Md.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 516a, BRUSHES, PAINT, FLAT METAL BOUND (MEDIUM GRADE)

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 517a, BRUSHES, RADIATOR BRONZING

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Modern Brush Mfg. Co., J. E. Foreman, Pres., 1015 N. 14th St., Omaha, Neb.
Modern Brush Mfg. Co., J. T. Foreman, Pres., 1015 N. 14th St., Omaha, Nebr.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 518a, BRUSHES, ROOF, KNOTTED STYLE, THREE KNOTS

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baird Brush Mfg. Co. (Inc.), R. H. Robb, Pres., 829 Wood St., Oakland, Calif.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Northwestern Mfg. Co., C. K. Smith, Pres., 1324 Capitol Ave., Omaha, Neb.
Rubberset Co., T. B. Denton V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
United States Brush Co., Carl J. Nagl, Mgr., 4301 N. 28th St., Omaha, Neb.
VanTine, Bartlett & Jones (Inc.), P. A. Jones, Pres., Jonesville, Mich.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 519a, BRUSHES, STENCIL (FLAG ENDS CUT)

Atlas Brush Corp., B. K. Throckmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 520a, BRUSHES, STENCIL (FLAG ENDS PRESERVED)

Atlas Brush Corp., B. K. Throekmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubieo Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufaetories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 521a, BRUSHES, VARNISH, FLAT (HIGH GRADE)

Atlas Brush Corp., B. K. Throekmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubieo Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufaetories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 522a, BRUSHES, VARNISH, FLAT (MEDIUM GRADE)

Atlas Brush Corp., B. K. Throekmorton, Sec., 160 John St., Brooklyn, N. Y.
Baker Brush Co. (Inc.), Harry Shulman, Sec., 83 Grand St., New York, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons, Aaron Linzer, Partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubieo Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.

Spec. 523, BRUSHES, WALL STIPPLING

Atlas Brush Corp., B. K. Throekmorton, Sec., 160 John St., Brooklyn, N. Y.
Bermes, Daniel, Co., G. F. Sauer, jr., Pres., 114—44th St., Union City, N. J.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Culicover & Shapiro, Gershon Shapiro, Prop., 252 Pearl St., New York, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Herold Bros. Co., K. C. Herold, V. Pres., 1104 N. 9th St., Cleveland, Ohio.
Linzer, David, & Sons., Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubieo Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 524b, BRUSHES, WHITEWASH

Atlas Brush Corp., B. K. Throekmorton, Sec.,106 John St., Brooklyn, N. Y.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Linzer, David, & Sons., Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubieo Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Standard Broom & Brush Co., G. S. Schwartz, owner, Cor. Water St. & Blaine Pike, Portland, Ind.

Star Brush Mfg. Co. (Inc.), R. I. Bull, Gen. Mgr., Hunters Point Ave. at Manley, Long Island City, N. Y.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 525a, DUSTERS, PAINTERS', FLAT

Brenner, A., A. Brenner, 12 N. 3d St., Phila., Pa.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Culicover & Shapiro, G. Shapiro, Prop., 252 Pearl St., New York, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres., 3701 Mich. Ave., Detroit, Mich.
Moran Bros., G. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 526a, DUSTERS, PAINTERS', ROUND

Brenner, A., A. Brenner, 12 N. 3d St., Phila., Pa.
Burton-Boston Brush Co., P. H. Thayer, Pres., 122 Harvard St., Cambridge, Mass.
Culicover & Shapiro, G. Shapiro, Prop., 252 Pearl St., New York, N. Y.
Detroit Quality Brush Mfg. Co., T. Weinblum, Mgr., 3444 Wesson Ave., Detroit, Mich.
Eberhard, Jos. F., & Son (Inc.), Michael Celeuza, Pres., 388 Pearl St., New York, N. Y.
Empire Brush Works, J. Bruce Howard, Mgr., 63 Park Row, New York, N. Y.
Hanlon & Goodman Co., G. E. Goodman, Treas., 6 Riverside Ave., Belleville, N. J.
Kip Brush Co., A. C. Postley, Pres., 449 Greenwich St., New York, N. Y.
Liberty Brush Co., Hyman Ziserman, Prop., 959 N. 5th St., Phila., Pa.
Linzer, David, & Sons, Aaron Linzer, partner, 358 Bowery, New York, N. Y.
Marcus Brush Co. (Inc.), Esther Marcus, Sec., 781 E. 135th St., New York, N. Y.
Michigan Brush Mfg. Co. (Inc.), Samuel Scott, Pres. 3701 Mich. Ave., Detroit, Mich.
Moran Bros., G. F. Moran, partner, 10 Whiting St., New Haven, Conn.
Ridgely Trimmer Co., C. K. Hullinger, Treas., Kenton St., Springfield, Ohio.
Rubberset Co., T. B. Denton, V. Pres., 56 Ferry St., Newark, N. J.
Rubico Brush Mfrs. (Inc.), Isidor A. Rubin, Pres., 34 Hubert St., New York, N. Y.
Sheets, W. H., jr., & Co., J. P. McGonigle, Mgr., 121 S. Charles St., Balto., Md.
Thum, Chas. D., C. K. Van Rensselaer, Mgr., 137 Race St., Phila., Pa.
United Brush Manufactories, T. V. Schinven, Treas., 116 Wooster St., New York, N. Y.
Weil-Ransom Co., Albert Ransom, jr., Treas., 816 Fulton St., Chicago, Ill.
Whiting-Adams Co., Henry H. Hill, Pres., 690 Harrison Ave., Boston, Mass.
Young & Swartz (Inc.), R. E. Winzig, Sec., 39 Cherry St., Buffalo, N. Y.

Spec. 535, MALLEABLE IRON PIPE FITTINGS (THREADED) (150 LB.)

Cornell & Underhill, C. G. Cornell, jr., sole owner, Spring & Greenwich Sts., New York, N. Y.
Crane Co., C. D. Little, V. Pres., charge of sales, 836 S. Michigan Ave., Chicago, Ill.
Flagg, Stanley G., Co. (Inc.), Stanley G. Flagg, Pres., 1421 Chestnut St., Phila., Pa.
Jarecki Mfg. Co., Alex. Jarecki, Pres., Erie, Pa.
Jefferson Union Co., Daniel T. Groff, V. Pres., 440 Mass. Ave., Lexington, Mass.
Keating, E. F., Co., E. F. Keating, Pres., 452 Water St., New York, N. Y.
Kries, Henry A., & Sons, C. A. Kries, Treas., 6 W. Lombard St., Balto., Md.
Lead Line Iron Pipe Co., Thomas E. Dwyer, Pres. Broadway, Wakefield. Mass.
Limbert, Geo. B., & Co., D. C. Showers, V. Pres., 570 Fulton St., Chicago, Ill.
Newbury Mfg. Co., F. H. Newbury, Monroe, N. Y.
Pittsburgh Valve & Fittings Co., C. L. Selkregg, V. Pres., Newell St., Barberton, Ohio.

Spec. 540a, MOSQUITO NETTING (UNBLEACHED BOBBINET)

American Bobbinet Co., Chas. L. A. Diamond, Treas., LaFayette St., Newburgh, N. Y.
Carpenter, Geo. B., & Co., Thos. D. Lewis, Mgr. cotton goods Dept., 440 N. Wells St., Chicago, Ill.
Detroit Canvas Co., L. E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Liberty Lace & Netting Works (Inc.), Clement J. Driscoll, Sec., 106 W. 38th St., New York, N. Y.
Peterffy, Ernest, & Co., Ernest Peterffey, Partner, 354 Fourth Ave., New York, N. Y.

Spec. 555b, SHADE CLOTH

American Shade Cloth Co., Joseph A. Kosek, Mgr., 508 Market St., Phila., Pa.
Breneman, Chas. W., Co., C. L. Knepper, Mgr., 6th & Jefferson Sts., Camden, N. J.
California Shade Cloth Co. (Inc.), H. P. Hauser, Sec., 1710 San Bruno Ave., San Francisco, Calif.
Chicago Sanitary Rag Co., Morris B. Goldberg, Sec., 2139 So. Loomis, Chicago, Ill.
Columbia Mills (Inc.), E. Robt. Raab, Gen. sales Mgr., 225 Fifth Ave., New York, N. Y.
Connecticut Textiles (Inc.), F. B. Burns, Pres., 180 Madison Ave., New York, N. Y.
Detroit Canvas Co., L. E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
Dutton, Andrew Co., Walter F. Colby, Asst. Mgr., 60 Canal St., Boston, Mass.
Fuessel, Jacob F. (Inc.), Jacob F. Fuessel, Sec., 344 E. 23d St., New York, N. Y.
Hulme, J. W., Co. (Inc.), Edmond Jasmin, V Pres., 60 W. 4th St., St. Paul, Minn.
Illinois Shade Cloth Corp., R. N. Booth, V. Pres., Chicago Heights, Ill.
Interstate Shade Cloth Co., J. F. Gochren, Asst. Treas., 812 Jefferson St., Hoboken, N. J.
McMaster & Murfin Co., W. R. Murfin, Treas., 1215 Race St., Phila., Pa.
Pabst & Co., Chas. A. Pabst, Pres., 22d St. & Allegheny Ave., Phila., Pa.
Rasch & Gainor, C. S. Wolf, Mem. firm, 21 S. Hanover St., Balto., Md.
Saint Paul Tent & Awning Co., C. W. Weikert, V. Pres., 296 E. 6th St., St. Paul, Minn.
Volker, Wm., & Co., William Volker, Pres., 230 Main St., Kansas City, Mo.
Western Shade Cloth Co., M. Jackson, Treas., 22d & Jefferson Sts., Chicago, Ill.

Spec. 556, PERCALE

American Bleached Goods Co. (Inc.), Wm. F. Adams, Pres., 40 Worth St., New York, N. Y.
Boott Mills, F. A. Flather, Treas., foot of John St., Lowell, Mass.
Dartmouth Mfg. Corp., C. W. Bartlett, Treas., 59 Cove St., New Bedford, Mass.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Lamport Mfg. Supply Co. (Inc.), Charles Cohen, Treas., 507 Broadway, New York, N. Y.
Prince Lauten Corp., Alfred H. Merkel, Sec., 105 Worth St., New York, N. Y.

Spec. 557, DRILL (UNBLEACHED)

Bennett, Fred S. (Inc.), Fred S. Bennett, Pres., 93 Worth St., New York, N. Y.
Boott Mills, F. A. Flather, Treas , foot of John St., Lowell, Mass. (Parker, Wilder & Co., Wm. D. Judson, Mem. firm., 78 Leonard St., New York, N. Y., sole selling agents.)
Carpenter, Geo. B., & Co., Thos. D. Lewis, Mgr. cotton goods Dept., 440 N. Wells St., Chicago, Ill.
Catlin & Co. (Inc.), Charles C. Lee, V. Pres., 345 Broadway, New York, N. Y.
Clifton Mfg. Co., J. C. Evins, Pres., Clifton, S. C.
Consolidated Textile Corp., J. C. Saunders, Mgr., Bonham, Tex.
Converse, D. E., Co., S. J. Du Pre, Treas., Glendale, S. C.
Deering Milliken & Co. (Inc.), W. E. Winchester, V. Pres., 79 Leonard St., New York, N. Y.
Detroit Canvas Co., Lester E. Jaqua, Pres., 166 Jefferson Ave., E., Detroit, Mich.
El Paso Cotton Mills Co., J. R. Henderson, V. Pres., Box 143, El Paso, Tex.
Henry, C. J., Co., Virgil J. Oliver, Mgr., 27 Main St., San Francisco, Calif.
Herring, M., Co., M. Herring, owner, 115 Franklin St., New York, N. Y.
Hurwitz, D. & Sons, Hyamn Hurwitz, partner, 175 Greene St., New York, N. Y.
Ingram, Hill, Co., Hill Ingram, owner, 50 Cliff St., New York, N. Y.
Laacke, R., Co., R. Laacke, sales Mgr., 543 3d St., Milwaukee, Wis.
La Fayette Cotton Mills, W. E. McKown, Treas., La Fayette, Ga.
Lamport Mfg. Supply Co. (Inc.), Charles Cohen, Treas., 507 Broadway, New York, N. Y.
Mt. Vernon-Woodberry Mills (Inc.), J. W. Easter, Sec., 201 E. Baltimore St., Balto., Md.
New Idea Mfg. Co. (Inc.), H. B. Ferguson, Pres., 8th & Spring Garden St., Phila., Pa.
Penfield, A. H., & Co. (Inc.), A. H. Penfield, Pres., 320 Broadway, New York, N. Y.
Prince Lauten Corp., Alfred H. Merkel, Sec., 105 Worth St., New York, N. Y.
Rothstein Bros. & Levy (Inc.), Raymond Rothstein, Treas., 87 University Place, New York, N. Y.
Turner, Halsey Co., H. W. Turner, V. Pres., 74 Leonard St., New York, N. Y.
Wellington-Sears & Co., Norman S. Hopes, Mem. firm, 65 Worth St., New York, N. Y.

U. S. GOVERNMENT PRINTING OFFICE: 1930

SOURCES OF SUPPLY OF COMMODITIES COVERED BY FEDERAL SPECIFICATIONS

* * * * * * * *

SUPPLEMENT
to
LETTER CIRCULAR NO. 256a

* * * *

February 15, 1930

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

The groups of commodities covered by Federal specifications together with numerical references to the individual specifications, are as follows:

ABRASIVES AND POLISHING MATERIALS

340 386a 390
341 387b 582
385b 388b 583

DENTAL AND SURGICAL SUPPLIES

356 357

ELECTRICAL SUPPLIES

176 587
346 618

FLOOR COVERINGS

209 210

HEAT INSULATING MATERIALS

54 212 337
158 284 338
211 285

PAPER

127a 133a 322 327
128a 177a 323 328
129a 178a 324 329
130a 319 325 330
131a 320 326 331a
132a 321

SCALES, WEIGHING

473

Numerical list of specifications together with indications of the commodity or groups of commodities covered by each specification.

Specification Number	Commodities Covered
54	Asbestos millboard
127a	25% rag blotting paper, white and colored
128a	Desk blotting paper, colored
129a	100% rag white chart paper, lithograph finish
130a	Chemical wood mimeograph paper, white and colored
131a	30% rag mimeograph paper
132a	Wood manila paper
133a	Rope manila paper
158	Hair felt
176	Renewable cartridge inclosed fuses
177a	Kraft paper
178a	Sulphite manila paper
209	Battleship linoleum
210	Plain, inlaid and printed linoleum
211	Magnesia asbestos plaster
212	Magnesia molded pipe covering and blocks
284	Gypsum wall board
285	Gypsum plaster board
319	100% rag white bond paper
320	50% rag bond paper, white and colored
321	100% rag white ledger paper
322	75% rag ledger paper, white and colored
323	100% rag manifold paper, white and colored
324	Lithograph-finish map paper
325	50% rag lithograph-finish map paper
326	75% rag lithograph-finish map paper
327	Blotting paper, white and colored
328	Sulphite bond paper, white and colored
329	Sulphite bond paper, white and colored
330	100% rag index paper, white and cream, single ply
331a	50% rag manifold paper, white and colored
337	Compressed cork (cork board)
338	Ground cork for insulating purposes
340	Polishing paste
341	Liquid metal polish
346	Nonrenewable plug fuses
356	Dental amalgam alloy
357	Boilable catgut ligatures (surgical catgut suture material)
385b	Paper, flint
386a	Paper, garnet
387b	Cloth, abrasive, aluminum oxide
388b	Cloth, emery
390	Polish, silver
473	Scales, weighing, general specifications for
582	Paper, abrasive, artificial
583	Paper, garnet, waterproof
587	Insulation, 30% rubber, for wires and cables for general purposes
618	Lamps, electric, incandescent, miniature, tungsten filament

Spec. No. 54 - ASBESTOS MILLBOARD

Industrial Asbestos Corp., Mikesell Division, H. Ruece, Pres., 330 S. Wells St., Chicago, Ill.

Lotz Asbestos Co., William B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.

National Asbestos Mfg. Co., C. G. Schawath, Director, 163 Henderson St., Jersey City, N. J.

Norristown Magnesia & Asbestos Co., A. K. Burgstresser, Pres., Washington St. below Ford, Norristown, Pa.

Plant Rubber & Asbestos Works, Chas. A. Wright, Gen. Mgr., 537 Brannan St., San Francisco, Calif.

Sall Mountain Co., G. V. Wilson, Vice Pres., 176 W. Adams St., Chicago, Ill.

Watson, H. F. Co., R. C. McClenathan, Vice Pres., East 16th St., Erie, Pa.

Spec. No. 127a - 25% RAG BLOTTING PAPER, WHITE & COLORED

(Joint Committee on Printing Lots Nos. 356 and 357.)

Albemarle Paper Mfg. Co., The, F. D. Gottwald, Asst. Sec., Foot of Cherry St., Richmond, Va.
Cauthorne Paper Co., R. A. Cauthorne, Pres., 3rd & Hull Sts.. Richmond, Va.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Jackson St., Holyoke, Mass.
District of Columbia Paper Mfg. Co., D. A. Smith, Vice-Pres., Potomac & K Sts., N. W., Washington, D. C.
Dobler and Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., The, C. R. Walker, Vice-Pres., Lockland, (Cincinnati) Ohio.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., (Formerly Barton-Hobart Paper Co.), E. A. Stein, Secy., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
W. L. Jones, W. L. Jones, Owner, 96 Prince St., New York, N. Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Parker, Joseph, & Son Co., H. Leonard Michaelson, Pres., Whalley Ave. near Dayton St., New Haven, Conn.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Standard Paper Mfg. Co., J. F. Ryland, Vice-Pres. & Gen. Mgr., P. O. Box 1554, Richmond, Va.
Walker Goulard Plehn Co., (Inc.) Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Weil, J. H. & Co., Walter A. Kohn, Member of Firm, 1315 Cherry St., Philadelphia, Pa.
Wrenn Paper Co., The, J. J. Tallowell, Sec., W. 1st Ave., Middletown, Ohio.

Spec. 128a - COLORED DESK BLOTTING PAPER

(Joint Committee on Printing Lots Nos. 358 and 359.)

Albemarle Paper Mfg. Co., F. D. Gottwald, Asst. Sec., Ft. of Cherry St., Richmond, Va.
Cauthorne Paper Co., R. A. Cauthorne, Pres., 3rd & Hull Sts., Richmond, Va.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Jackson St., Holyoke, Mass.
District of Columbia Paper Mfg. Co., D. A. Smith, Vice Pres., Potomac & K Sts., N. W., Washington, D. C.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., The, C. R. Walker, Vice Pres., Lockland, (Cincinnati) Ohio.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 38th St., Brooklyn, N. Y.
Import Paper Co., H. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Parker, Joseph & Son Co., F. Leonard Michaelson, Pres. & Mgr., Whalley Ave. near Dayton St., New Haven, Conn.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds Mfg. Co., The, W. F. Reynolds, Treas., Holyoke, Mass.
Standard Paper Mfg. Co., J. F. Ryland, Vice Pres. & Gen. Mgr., P.O.Box 1554, Richmond, Va.
Weil, J. H., & Co., Walter A. Kohn, Member of Firm, 1315 Cherry St., Philadelphia, Pa.
Wrenn Paper Co., The, J. J. Tallowell, Sec., W. 1st Ave., Middletown, Ohio.

SPEC. NO. 129a - 100% RAG WHITE CHART PAPER, LITHOGRAPH FINISH, TUB SIZE, AIR DRIED.
(Joint Committee on Printing Lot No. 69)

American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. E., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Foot of Jackson St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80-39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave., E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Kolesch & Co., P. Kolesch, Pres., 138 Fulton St., New York, N.Y.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Strathmore Paper Co., B. A. Franklin, V. Pres., Mittineague, Mass.

SPEC. NO. 130a - CHEMICAL WOOD MIMEOGRAPH PAPER, WHITE & COLORED
(Joint Committee on Printing Lots Nos. 43 & 44.)

Aetna Paper Co., C. Hickelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio.
Allied Paper Mills, James B. Grinling, Sales Mgr., Kalamazoo, Mich.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Badger Paper Mills (Inc.), C. W. Harper, Asst. Treas., Peshitigo, Wis.
Bare, D. M., Paper Co., B. W. Gillespie, Mng. Dir., Whitaker Bldg., Saratoga & Davis Sts., Baltimore, Md.
Cascade Paper Co., A. N. Drips, Sec., West Tacoma, Wash.
Cauthorne Paper Co., R. A. Cauthorne, Pres., 3rd & Hull Sts., Richmond, Va.
Curtis & Brother Co., Irwin F. Megargee, V. Pres., 960 Public Ledger Bldg., Phila., Pa.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Glatfelter, P. H., Co., Wm. L. McClellan, Sec., Spring Grove, Pa.
Hamilton, W. C., & Sons, H. H. Hanson, Gen. Mgr., Miquon, Pa.

No. 130a - continued

Hammermill Paper Co., W. E. Bromley, Sec., Erie, Pa.
Hano Paper Corp., Philip L. Hano, Pres., 80-39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave., E, Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
International Paper Co., J. L. Fearing, V. Pres., 100 E. 42nd St., New York, N. Y.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Kalamazoo Paper Co., F. M. Hodge, Pres., Kalamazoo, Mich.
Kalamazoo Vegetable Parchment Co., J. Kindleberger, Pres., Kalamazoo, Mich.
Knowlton Bros., Willis H. Howes, V. Pres., 213 Factory St., Watertown, N. Y.
Lutz Paper Co., A. George Lutz, Prop., 17 E. 42nd St., New York, N. Y.
Marathon Paper Mills Co., P. M. Wilson, Sec., Rothschild, Wis.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Racquette River Paper Co., R. L. Sisson, Jr., Asst. Mgr., Potsdam, N. Y.
Reynolds Mfg. Co., W. F. Reynolds, Treas., Holyoke, Mass.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Riverside Paper Corp., E. C. Hilpert, Sec., 800 So. Lawe St., Appleton, Wis.

Standard Paper Mfg. Co., J. F. Ryland, V. Pres., P. O. Box 1554, Richmond, Va.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting-Paper Co., E. C. Whiting, Treas., 619 Chestnut St., Phila., Pa.

SPEC. NO. 131a - 30% RAG MIMEOGRAPH PAPER
(Joint Committee on Printing Lot No. 47)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Cauthorne Paper Co., R. A. Cauthorne, Pres., Third & Hull Sts., Richmond, Va.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Jackson St., Holyoke, Mass.
Curtis & Brother Co., Irwin F. Megargee, V. Pres., 16 S. 5th St., Phila., Pa.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave., E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N. Y.
Knowlton Brothers, Willis H. Howes, V. Pres., 213 Factory St., Watertown, N. Y.
Lee Paper Co., Norman Bardeen, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds, W. G., W. F. Reynolds, Treas., Holyoke, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting Paper Co., E. C. Whiting, Treas., 619 Chestnut St., Phila., Pa.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

SPEC. NO. 132a - WOOD MANILA PAPER
(Joint Committee on Printing Lots
Nos. 209 and 210)

Cauthorne Paper Co., R. A. Cauthorne, Pres., Third & Hull Sts., Richmond, Va.
Coy, Hunt & Co., J. W. Eginton, V. Pres., 259 W. 10th St., New York, N. Y.
Cupples Co., G. B. Metz, Sales Mgr., 401 S. 7th St., St. Louis, Mo.
Gould Paper Co., H. P. Gould, Pres., Lyons Falls, N. Y.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawley Pulp & Paper Co , Geo. W. Honk, Exec. V. Pres., 3rd & Main Sts., Oregon City, Oreg.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
International Paper Co., J. L. Fearing, V. Pres., 100 E. 42nd St., New York, N. Y.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N. Y.
Lutz Paper Co., A. Geo. Lutz, Prop., 17 E. 42nd St., New York, N.Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Paper Manufacturers Co. (Inc.), F. A. O'Neill, Pres., S. W. Cor. 5th & Willow Sts., Phila., Pa.
Parker-Young Co., Paul S. Fiske, Sales Mgr., 131 State St., Boston, Mass.
Port Huron Sulphite & Paper Co., E. A. Haynes, V. Pres., Foot of Washington Ave., Port Huron, Mich.
Racquette River Paper Co., R. L. Sisson Jr., Asst. Mgr., Potsdam, N. Y.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Wausau Paper Mills Co., W. L. Edmonds, Sec., Brokaw, Wis.

SPEC. NO. 133a - ROPE MANILA PAPER
(Joint Committee on Printing Lots Nos. 213 & 214)

American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., C. R. Walker, Sec., Lockland, Ohio.
George & Sherrard Paper Co., H. A. Cheesley, V. Pres., 100 E. 42nd St., New York, N. Y.
George, S. Co., F. H. George, Treas., 1130 Yankee St., Wellsburg, W. Va.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Paper Manufacturers Co. (Inc.), F. A. O'Neill, Pres., S. W. Cor., 5th & Willow Sts., Phila., Pa.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Tarentum Paper Mills, W. H. Sunshine, Gen. Sales Mgr., Tarentum, Pa.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Warren Manufacturing Co., P. R. Bachman, Treas., 342 Madison Ave., New York, N. Y.

Spec. No. 158 - HAIR FELT

Garrett, C. S. & Son Corp., R. A. Balchelor, Pres., 22 S. Marshall St., Philadelphia, Pa.

Lotz Asbestos Co., William B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.

Norristown Magnesia & Asbestos Co., A. K. Burgstresser, Pres., Washington St. Below Ford, Norristown, Pa.

Schroeder, J. Fred'k, Hair Felt Co., Katherin M. Schroeder, Treas., Blanchard St., Newark, N. J.

SPEC. NO. 176 - RENEWABLE CARTRIDGE INCLOSED FUSES

(Being revised)

SPEC. NO. 177a - KRAFT PAPER
(Joint Committee on Printing Lot No. 220)

Albemarle Paper Mfg. Co., F. D. Gottwald, Asst. Sec., Ft. of Cherry St., Richmond, Va.
Cauthorne Paper Co. (Inc.), R. A. Cauthorne, Pres., Third & Hull Sts., Richmond, Va.
Claremont Paper Co. (Inc.), W. C. Dawson, Treas., 131 Sullivan St. Claremont, N. H.
Coy, Hunt & Co., J. W. Eginton, V. Pres., 259 W. 10th St., New York, N. Y.
Crepe-Kraft Co. (Inc.), S. C. Rothumel, Pres., 114 Adams St., Newark, N. J.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., C. R. Walker, Sec., Lockland, Ohio.
Gilman Paper Co., Ernest A. Kendles, Sec., 342 Madison Ave., New York, N. Y.
Glen Mills Paper Co., C. W. Manterel, Sales Agt., 30 East 42nd St., New York, N. Y.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Hummel Ross Fibre Corp., A. W. Foley, Sales Dept., Hopewell, Va.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Lutz Paper Co., A. Geo. Lutz, Prop., 17 E. 42nd St., New York, N. Y.
Marathon Paper Mills Co., P. M. Wilson, Sec., Rothschild, Wis.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
St. Helens Pulp & Paper Co., Irving F. Ran, Sec., St. Helens, Oreg.
Tarentum Paper Mills, W. H. Sunshine, Gen. Sales Mgr., Tarentum, Pa.
United Paper Co., F. E. Forman, Pres., Mill Lane, East Braintree, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Wausau Sulphate Fibre Co., W. S. Stone, Gen. Mgr., Mosinee, Wis.

SPEC. NO. 178a - SULPHITE MANILA PAPER

(Joint Committee on Printing Lots Nos. 211 & 212)

Coy, Hunt & Co., J. W. Egginton, Vice Pres., 259 West 10th St., New York, N. Y.
Cupples Co., G. B. Metz, Sales Mgr., 401 S. 7th St., St.Louis, Mo.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., C. R. Walker, Sec., Lockland, Ohio.
Gould Paper Co., H. P. Gould, Pres., Lyons Falls, N. Y.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawley Pulp & Paper Co., Geo. W. Honk, Exec. Vice Pres., 3rd & Main Sts., Oregon City, Oreg.
Hobart Paper Co., E. A. Stein, Sec., 111 West Washington St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Marathon Paper Mills Co., P. H. Wilson, Sec., Rothschild, Wis.
Mathers-Lane Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Orono Pulp & Paper Co., Geo. E. Crofts, Vice Pres., Exchange Bldg., Bangor, Maine.
Paper Manufacturers Co. (Inc.), F. A. O'Neill, Pres., S. W. Cor. 5th & Willow Sts., Philadelphia, Pa.
Port Huron Sulphite & Paper Co., E. A. Haynes, Vice Pres., Foot of Washington Ave., Port Huron, Mich.
Racquette River Paper Co., R. L. Sisson, Jr., Asst. Mgr., Potsdam, N. Y.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.

SPEC. NO. 209 - BATTLESHIP LINOLEUM

Armstrong Cork Co., Floor Division, H. R. Peck, Asst. Sales Mgr., Lancaster, Pa.

Blabon, George W., Co., Edward C. Dearden, Jr., Asst. Treas., 4200 N. Blabon St., Nicetown, Phila., Pa.

Congoleum-Nairn (Inc.), James L. Bruff, Sec., 195 Belgrove Drive, Kearny, N. J.

Sandura Wild Corp., R. S. Jackson, V. Pres., Finance Bldg., Phila., Pa.

Sloane, W. & J., Mfg. Co., John Tomec, V. Pres., Hutchisons Mill, Trenton, N. J.

SPEC. NO. 210 - PLAIN, INLAID, AND PRINTED LINOLEUM

Armstrong Cork Co., Floor Division, H. R. Peck, Asst. Sales Mgr., Lancaster, Pa.

Blabon, George W., Co., Edward C. Dearden Jr., Asst. Treas., 4200 N. Blabon St., Nicetown, Phila., Pa.

Congoleum-Nairn (Inc.), T. L. Shaffer, Asst. to the Pres., 195 Belgrove Drive, Kearny, N. J.

Sandura Wild Corp., R. G. Jackson, V. Pres., Finance Bldg., Phila., Pa.

Sloane, W. & J., Mfg. Co., John Tomec, V. Pres., Hutchisons Mill, Trenton, N. J.

Spec. No. 211 - MAGNESIA ASBESTOS PLASTER

Carey, Philip, Mfg. Co., E. Puse, Secy., Wayne Ave., Lockland, Ohio.
Ehret Magnesia Mfg. Co., A. M.Ehret, Pres., Valley Forge, Pa.
Industrial Asbestos Corp., Mikesell Division, H. Ruece, Pres., 330 S. Wells St., Chicago, Ill.
Lotz Asbestos Co., Wm. B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.
National Asbestos Mfg. Co., C. G. Schawath, Director, 163 Henderson St., Jersey City, N. J.
National Magnesia Co., W. B. Kelley, Mgr., P. O. Box 57, Redmond City, Calif.
Norristown Magnesia & Asbestos Co., A. K. Burgstresser, Pres., Washington St. below Ford, Norristown, Pa.
Plant Rubber & Asbestos Works, Chas. A. Wright, Gen. Mgr., 537 Brannan St., San Francisco, Calif.

Spec. 212 - MAGNESIA MOLDED PIPE COVERING AND BLOCKS

American Solvents & Chemical Corp., A. B. Crowell, Asst. Secy., Agnew, Calif.
Carey, Philip, Mfg. Co., E. Puse, Secy., Wayne Ave., Lockland, Ohio.
Ehret Magnesia Mfg. Co., Alvin M. Ehret, Pres., Valley Forge,Pa.
Lotz Asbestos Co., Wm. B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.
National Asbestos Mfg. Co., C. G. Schawath, Director, 163 Henderson St., Jersey City, N. J.
National Magnesia Co., W. B. Kelley, Mgr., P.O.Box 57, Redwood City, Calif.
Norristown Magnesia & Asbestos Co., A. K. Burgstresser, Pres., Washington St. below Ford, Norristown, Pa.
Plant Rubber & Asbestos Works, Chas.A. Wright, Gen. Mgr., 537 Brannan St., San Francisco, Calif.

Spec. No. 284 - GYPSUM WALL BOARD

Certain-teed Products Corp., C. O. Brown, Vice Pres., 100 E. 42nd St., New York, N. Y.
Gypsum Products Corp., Geo. O. Gray, Pres., 6851 E. Marginal Way, Seattle, Wash. (6,7,8,9,10 and 12 ft. lengths only.)
National Gypsum Co., F. E. Davis, Secy., Jackson Bldg., Buffalo, N. Y.
Samson Plaster Board Co., E. B. Jenkins, Pres., 807 Crosby Bldg., Buffalo, N. Y.
United States Gypsum Co., C. Henning, Vice Pres. in Charge of Sales, 300 W. Adams St., Chicago, Ill.
Universal Gypsum & Lime Co., F. E. Krumbolz, Treas., 111 W. Washington St., Chicago, Ill.

Spec. No. 285 - GYPSUM PLASTER BOARD

Certain-teed Products Corp., C. O. Brown, Vice Pres., 100 E. 42nd St., New York, N. Y.
Gypsum Products Corp., Geo. O. Gray, Pres., 6851 E. Marginal Way, Seattle, Wash. (16 x 48 x 3/8 inches only.)
Kelley Plaster Board Co. (Inc.), S. J. Kelley, Pres., Cherry & Pine Sts., Delawanna, N. J.
National Gypsum Co., F. E. Davis, Secy., Jackson Bldg.,Buffalo, N. Y.
Samson Plaster Board Co., E. B. Jenkins, Pres., 807 Crosby Bldg., Buffalo, N. Y.
Texas Cement Plaster Co., J. W. Jacobs, Secy., 701 Petroleum Bldg., Oklahoma City, Okla.
United States Gypsum Co., C. Henning, Vice Pres. in Charge of Sales, 300 W. Adams St., Chicago, Ill.
Universal Gypsum & Lime Co., F. Krumbolz, Treas., 111 W. Washington St., Chicago, Ill.

SPEC. NO. 319 - 100% RAG WHITE BOND PAPER, TUB-SIZED, AIR-DRIED
(Joint Committee on Printing Lots Nos. 128 & 129)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Carew Manufacturing Co., G. E. Bardweer, Treas., Canal St., South Hadley Falls, Mass.
Crane & Co. (Inc.), Reuben C. Pierce, Sec., Dalton, Mass.
Dobler & Mudge, Arthur P. Mudge, Mem. of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80-39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jacobs, Charles Drury, Charles Drury Jacobs, Owner, South Orange, N. J.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N. Y.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B. A. Franklin, V. Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting Paper Co., E. C. Whiting, Treas., 619 Chestnut St., Phila., Pa.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 320 - 50% RAG BOND PAPER, WHITE & COLORED, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lots Nos. 120 to 123 Incl.)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cincinnati & Columbia Sts., Dayton, Ohio
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L. Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Ditto (Inc.), F. P. McCarthy, Mgr. Paper & Printing Dept., Harrison at Oakley Blvd., Chicago, Ill.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jacobs, Charles Drury, Charles Drury Jacobs, Owner, South Orange, N. J.
Jones, W. L., W. L. Jones, Owner, 96 Prince St.,New York,N.Y.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N.W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague,Mass.
Strathmore Paper Co., B. A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting Paper Co., E. C. Whiting, Treas., 619 Chestnut St., Philadelphia, Pa.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 321 - 100% RAG WHITE LEDGER PAPER, TUB-SIZED, AIR-DRIED, FOR PERMANENT RECORDS

(Joint Committee on Printing Lots Nos. 176 to 181 incl.)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Corner Columbia& Cincinnati Sts., Dayton, Ohio
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L. Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Carew Manufacturing Co., G. E. Bardweer, Treas., South Hadley Falls, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 38th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B. A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting Paper Co., E. C. Whiting, Treas., 619 Chestnut St., Philadelphia, Pa.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 322 - 75% RAG LEDGER PAPER, WHITE & COLORED, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lots Nos. 168 to 173 incl.)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Corner Columbia & Cincinnati Sts., Dayton, Ohio
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L., Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Carew Manufacturing Co., G. E. Bardweem, Treas., Canal St., South Hadley Falls, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. Gunheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St.,New York,N.Y.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B. A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting Paper Co., E. C. Whiting, Treas., 819 Chestnut St., Philadelphia, Pa.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 323 - 100% RAG MANIFOLD PAPER, WHITE & COLORED, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lots Nos. 78 to 81 Incl.)

Aetna Paper Co., C. Hickelman, Asst. Mgr., Corner Columbia & Cincinnati Sts., Dayton, Ohio.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L. Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Jackson St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Esleeck Manufacturing Co., D. P. Weston, Mgr. of Sales, Turners Falls, Mass.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Lutz Paper Co., A. George Lutz, Prop., 17 E. 42nd St., New York, N. Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds Mfg. Co., W. F. Reynolds, Treas., Holyoke, Mass.
Schweitzer, Peter J. (Inc.), Paul Mellimann, Vice Pres., 200 Fifth Ave., New York, N. Y.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 324 - LITHOGRAPH-FINISH MAP PAPER

(Joint Committee on Printing Lot No.64)

Allied Paper Mills, Jas. B. Grinling, Sales Mgr., Kalamazoo, Mich.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Chillicothe Paper Co., A. P. Stoey, Treas., Chillicothe, Ohio.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hamilton, W. C. & Sons, Joseph H. Dunton, Sales Mgr., Miquon, Montgomery County, Pa.
Hammermill Paper Co., Wm. F. Bromley, Sec., East Lake Road, Erie, Pa.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N.W., Washington, D. C.
Port Huron Sulphite & Paper Co., E. A. Haynes, Vice Pres., Foot of Washington Ave., Port Huron, Mich.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B.A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N.Y.

Spec. No. 325 - 50% RAG LITHOGRAPH-FINISH MAP PAPER, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lot No. 65)

Aetna Paper Co., C. Hickelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave., E. Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres.,740 W. Adams St., Chicago, Ill.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 633 L St., N. W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B. A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 326 - 75% RAG LITHOGRAPH-FINISH MAP PAPER, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lots Nos. 66 and 67)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. H. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., B. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, 740 West Adams St., Chicago, Ill.
Lee Paper Co., Norman Bardeer, Sec., Vicksburg, Mich.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Reese & Reese, (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Strathmore Paper Co., B. A. Franklin, Vice Pres., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 327 - BLOTTING PAPER, WHITE AND COLORED

(Joint Committee on Printing Lots Nos. 354 and 355)

Albemarle Paper Manufacturing Co., F. D. Gottwald, Asst. Sec., Foot of Cherry St., Richmond, Va.
Allied Paper Mills, James B. Grinling, Sales Mgr., Kalamazoo, Mich.
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 8 Main St., Holyoke, Mass.
Cauthorne Paper Co. (Inc.), R. A. Cauthorne, Pres., Third & Hull Sts., Richmond, Va.
Chemical Paper Mfg. Co., R. H. Morrill, Mgr., Jackson St., Holyoke, Mass.
District of Columbia Paper Mfg. Co., D. A. Smith, Vice Pres., Potomac & K Sts., N. W., Washington, D. C.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Fox Paper Co., C. P. Walker, Vice Pres., Lockland (Cincinnati), Ohio.
Hano Paper Corp., Philip L. Hano, Pres., 90 - 38th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. WashingtonSt., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 86 Prince St., New York, N.Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 633 L St., N. W., Washington, D. C.
Paper Manufacturers Co. (Inc.), F. A. O'Neill, Pres., S. W. Cor. 5th & Willow Sts., Philadelphia, Pa.
Parker, Joseph & Son Co., H. Leonard Michaelson, Pres., Whalley Ave. near Dayton St., New Haven, Conn.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Standard Paper Mfg. Co., Jas. F. Ryland, Vice Pres., P. O. Box 1554, Richmond, Va.
Weil, J. H. Co., Walter A. Kohn, Member of Firm, 1315 Cherry St., Philadelphia, Pa.
Wronn Paper Co., J. J. Tallowell, Sec., W. First Ave., Middletown, Ohio

Spec. No. 328 - SULPHITE BOND PAPER, WHITE & COLORED
(Joint Committee on Printing Lots Nos.101 to 105 incl.)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cincinnati & Columbia Sts., Dayton, Ohio.
Allied Paper Mills, James B. Grinling, Sales Mgr., Kalamazoo, Mich.
American Writing Paper Co., S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Cascade Paper Co., A. N. Drips, Sec., West Tacoma, Wash.
Cauthorne Paper Co., R. A. Cauthorne, Pres., Third & Hull Sts., Richmond, Va.
Chillicothe Paper Co., A. P. Stoey, Treas., Chillicothe, Ohio
Ditto (Inc.), F. P. McCarthy, Mgr. Paper & Printing Dept., Harrison at Oakley Blvd., Chicago, Ill.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hamilton, W. C. & Sons, H. H. Hanson, Gen. Mgr., Miquon, Pa.
Hammermill Paper Co., Wm. E. Bromley, Sec., East Lake Road, Erie, Pa.
Hano Paper Corp., Philip Hano, Pres., 80 - 39th St., Brooklyn,N.Y.
Hawthorne Paper Co., G. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Highland Mfg. Co., James A. Judge, Asst. Treas., 525 Main St., Holyoke, Mass.
Hobart Paper Co.,B.A.Stein,Sec.,111 W.Washington St.,Chicago,Ill.
Hopper Paper Co., F. H. Masselink, Vice Pres.,Taylorville, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
International Paper Co., J. C. Fearing, Vice Pres., 100 East 42nd St., New York, N. Y.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Kalamazoo Vegetable Parchment Co., J. Kindleberger, Pres., Kalamazoo, Mich.
Lutz Paper Co., A. George Lutz, Prop., 17 E. 42nd St.,New York,N.Y.
Marathon Paper Mills Co., P. M. Wilson, Sec., Rothschild, Wis.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N. W., Washington, D. C.
Munising Paper Co., T. J. Baldwin, Sales Mgr., Munising, Mich.
Paper Manufacturers Co. (Inc.), F. A. O'Neill,Pres., S.W.Cor. 5th & Willow Sts., Philadelphia, Pa.
Parker-Young Co., Paul S. Fiske, Sales Mgr., 131 State St., Boston, Mass.
Racquette River Paper Co., R. L. Sisson, Jr., Asst. Mgr., Potsdam, N. Y.
Reese & Reese (Inc.),Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds Mfg. Co., W. F. Reynolds, Treas., Holyoke, Mass.
Riverside Paper Corp., E. C. Hilfert, Sec., 800 So.Lawe St., Appleton, Wis.
Standard Paper Mfg. Co., Jas. F. Ryland, Vice Pres., Box 1554, Richmond, Va.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N.Y.

Spec. No. 329 - PAPER, WRITING, SULPHITE, WHITE & COLORED

(Joint Committee on Printing Lots Nos. 55 to 61 incl.)

Aetna Paper Co., J. Hickelman, Asst. Mgr., Cincinnati & Columbia Sts., Dayton, Ohio
American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Cascade Paper Co., A. N. Drips, Sec., Box 1608, West Tacoma, Wash.
Cauthorne Paper Co., R.A.Cauthorne, Pres., 3rd & Hull Sts., Richmond, Va.
Chillicothe Paper Co., A. P. Stoey, Treas., Chillicothe, Ohio
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hamilton, W. C. & Sons, Joseph H. Dunton, Sales Mgr., Miquon, Pa.
Hammermill Paper Co., Wm. E. Bromley, Sec., Erie, Pa.
Hano Paper Corp., Philip Hano, Pres., 80 - 39th St., Brooklyn, N.Y.
Hawthorne Paper Co., G. Gupheide, Pres., Lincoln Ave., Kalamazoo, Mich.
Highland Manufacturing Co., James A. Judge, Asst. Treas., 525 Main St., Holyoke, Mass.
Hobart Paper Co., H. B. Hobart, Pres., 111 W. Washington St., Chicago, Ill.
Hopper Paper Co., F. H. Masselink, Vice Pres., Taylorville, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
International Paper Co., J. C. Fearing, Vice Pres., 100 East 42nd St., New York, N. Y.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Kalamazoo Vegetable Parchment Co., J. Kindleberger, Pres., Kalamazoo, Mich.
Mathers-Lamm Paper Co., R.E.Mathers, Pres., 632 L St., N.W., Washington, D.C.
Munising Paper Co., T. J. Baldwin, Sales Mgr., Munising, Mich.
Paper Manufacturers Co. (Inc.), F. A. O'Neill, Pres., S. W. Cor. 5th & Willow Sts., Philadelphia, Pa.
Parker-Young Co., Paul S. Fiske, Sales Mgr., 131 State St., Boston, Mass.
Racquette River Paper Co., Rufus L. Sisson Jr., Sales Mgr. Potsdam, N.Y.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds Mfg. Co., W. F. Reynolds, Treas., Holyoke, Mass.
Riverside Fiber & Paper Co., E. C. Hilfert, Sec., 800 So. Lawe St., Appleton, Wis.
Riverside Paper Corp., E. C. Hilfert, Sec., 800 So.Lawe St., Appleton, Wis.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N.Y.

Spec. No. 330 - 100% RAG INDEX PAPER, WHITE & CREAM, SINGLE-PLY, TUB-SIZED, AIR-DRIED

(Joint Committee on Printing Lot No. 196)

American Writing Paper Co. (Inc.), S. L. Willson, Pres., 9 Main St., Holyoke, Mass.
Brown, L. L. Paper Co., A. Willard Daniels, Treas., Commercial & Center Sts., Adams, Mass.
Carew Manufacturing Co., G. E. Bardweer, Canal St., South Hadley Falls, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hawthorne Paper Co., G. Gupheide, Pres., Michigan Ave. E., Kalamazoo, Mich.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 W. Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N.W., Washington, D.C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N.Y.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 731a - 50% RAG MANIFOLD PAPER, WHITE AND COLORED

(Joint Committee on Printing Lots Nos. 73 to 76 incl.)

Aetna Paper Co., J. Hinkelman, Asst. Mgr., Cor. Columbia & Cincinnati Sts., Dayton, Ohio
Chemical Paper Mfg. Co., R. H. Morrill, Asst. Treas., Jackson St., Holyoke, Mass.
Dobler & Mudge, Arthur P. Mudge, Member of Firm, 113 Hopkins Place, Baltimore, Md.
Esleeck Manufacturing Co., Irving N. Esleeck, Pres., Turners Falls, Mass.
Hano Paper Corp., Philip L. Hano, Pres., 80 - 39th St., Brooklyn, N. Y.
Hobart Paper Co., E. A. Stein, Sec., 111 W. Washington St., Chicago, Ill.
Import Paper Co., M. E. Immerwahr, Pres., 740 West Adams St., Chicago, Ill.
Jones, W. L., W. L. Jones, Owner, 96 Prince St., New York, N.Y.
Lutz Paper Co., A. George Lutz, Prop., 17 E. 42nd St., New York, N. Y.
Mathers-Lamm Paper Co., R. E. Mathers, Pres., 632 L St., N.W., Washington, D. C.
Reese & Reese (Inc.), Howard H. Reese, Pres., Calvert & Redwood Sts., Baltimore, Md.
Reynolds Mfg. Co., W. F. Reynolds, Treas., Holyoke, Mass.
Southworth Co., Melvin D. Southworth, Treas., Mittineague, Mass.
Walker Goulard Plehn Co. (Inc.), Elium Walker, Treas., 450 Pearl St., New York, N. Y.
Whiting-Plover Paper Co., E. A. Oberweiser, Sec., Stevens Point, Wis.

Spec. No. 337 - COMPRESSED CORK (CORK BOARD)

Armstrong Cork & Insulation Co., Wm. M. Whitten, Vice Pres., Lancaster, Pa.
Cork Import Corp., Thomas R. Nunan, Gen. Mgr., 345 W. 40th St., New York, N. Y. (Except 5" corkboard, can furnish 2 layers only.)
Independent Cork Co. (Inc.), Sebastian Pluso, Jr., Pres., 18th St. & Ave. E., Bayonne, N. J.
Lotz Asbestos Co., Wm. B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.
Luse-Stevenson Co., D. C. Luse, Pres., 307 N. Michigan Ave., Chicago, Ill. (Not greater than 4 inch thickness).
Maryland Cork Co., J. Strohm Emerson, Vice Pres., Susquehanna Ave., Towson, Md.
Mundet, L. & Son (Inc.), Jose Mundet, Pres., 461 - 8th Ave., New York, N. Y.
Stimson, M. F. Co. (Inc.), W. J. Sullivan, Pres., 82 Commercial St., Boston, Mass.
United Cork Companies, Edward Bose, Pres., Grant Ave., Lyndhurst, N. J.
York Ice Machinery Corp., R. B. Meisenholder, 5051 Santa Fe Ave., Los Angeles, Calif.

Spec. No. 338 - GROUND CORK FOR INSULATING PURPOSES.

Armstrong Cork & Insulation Co., W. M. Whitten, Vice Pres., Lancaster, Pa.
Independent Cork Co., (Inc.), Sebastian Pluso, Jr., Pres., 18th St. & Ave. E., Bayonne, N. J.
Lotz Asbestos Co., Wm. B. Brown, Asst. Treas., 20 Elm St., Hartford, Conn.
Mundet, L. & Son (Inc.), Jose Mundet, Pres., 461- 8th Ave., New York, N. Y.
Stimson, M. F. Co. (Inc.), Wm. J. Sullivan, Pres., 82 Commercial St., Boston, Mass.
United Cork Companies, Edward Bose, Pres., Grant Ave., Lyndhurst, N. J.
York Ice Machinery Corp., R. B. Meisenholder, 5051 Santa Fe Ave., Los Angeles, Calif.

Spec. No. 340 - POLISHING PASTE

American Mineral Products & Color Co., Joseph C. Heckman, Pres., P. O. Box 498, Pittsburgh, Pa.
Cantol Wax Co., H. N. Timolat, Gen. Mgr., 211 N. Washington St., Bloomington, Ind.
Durkee-Atwood Co., H. C. Atwood, Secy., 40 Wilder St., Minneapolis, Minn.
Electro-Silicon Co., W. Coffin, Pres., 22 Cliff St., New York, N.Y.
Harris, A. W. Oil Co., Francis S. Steffy, Treas., 326 So. Water St., Providence, R. I.
Hollingshead, R. M. Co., W. R. Kahl, Prod. Mgr., 840 Cooper St., Camden, N. J.
Imperial Products Co. (Inc.), Virginia Halpern, Secy., 463 N. 2nd St., Philadelphia, Pa.
International Metal Polish Co. (Inc.), C. M. Blackburn, Secy., Quill St. & Belt Railway, Indianapolis, Ind.
Johnston, R. F. Paint Co., A. Fel. Johnston, Pres., S. E. Cor. Pearl & Main Sts., Cincinnati, Ohio.
Korite, (Inc.), Francis J. Morgan, Treas., 83 Bickford St., Boston, Mass.
Matchless Metal Polish Co., L. M. Elmes, Asst. Treas., 840 W. 48th Place, Chicago, Ill.
McVicker, W. B. Co., W. W. Vogt, Secy., 395 Douglass St., Brooklyn, N. Y.
Metalglas Mfg. Co., R. J. McInnes, Secy., Marengo, Ill.
Miller, Walter W., W. W. Miller, Pres., 557 E. Washington St., Indianapolis, Ind.
Northwestern Chemical Co., P. L. Riemann, Sales Mgr. on Bd. of Directors, State St., Marietta, Ohio.
Noxon Chemical Products Co. (Inc.), Ralph Notteham, Pres., 70 Norris Ave., Newark, N. J.
Pacific Chemical Co., C. Edgar Sanders, Pres., 1421 N. Main St., Los Angeles, Calif.
Right Polish Co., H. Potter, Treas., 13 Henry St., Bloomfield, N. J.
Solarine Co., Harry A. Allers, Pres., Smallwood & Eagle, Baltimore, Md.
Solshine Mfg. Co., E. A. Waring, Mgr., 17 Caldwell St., Charlestown, Mass.

Spec. No. 341 - LIQUID METAL POLISH

A[illegible] Chemical Co. (Inc.), C. H. Armiger, Pres., 2155 W. Austin Ave., Chicago, Ill.
Cantol Wax Co., H. N. Timolat, 211 N. Washington St., Bloomington, Ind.
Dearborn Mfg. Co., J. C. Singleton, Secy., 550 W. Harrison St., Chicago, Ill.
Dixie Chemical Products Co. (Inc.), D. H. Mankstein, Secy., Birmingham, Ala.
Dominant Products Co. (Inc.), Edwin E. Moore, Pres., 359 Pearl St., New York, N. Y.
Everett & Barron Co., James W. Hunter, Chemist, 359 Eddy St., Providence, R. I.
Feiner Chemical Mfg. Co., Samuel Brisk, Prop., 83 Commonwealth Ave., Springfield, Mass.
Gateway Chemical Co., (Inc.), C. A. Golding, Secy.& Treas., 919 W. 17th St., Kansas City, Mo.
Hollingshead, R. M. Co., V. R. Kahl, Prod. Mgr., 840 Cooper St., Camden, N. J.
Imperial Products Co. (Inc.), Virginia Halpern, Secy., 463 N. 22nd St., Philadelphia, Pa.
International Metal Polish Co. (Inc.), C. M. Blackburn, Secy., Quill St. & Belt Railway, Indianapolis, Ind.
Interstate Chemical Co., William H. Rose, Pres., 667 Garfield Ave., Jersey City, N. J.
Johnston, R. F. Paint Co., A. Fel Johnston, Pres., S. E. Cor. Pearl & Main Sts., Cincinnati, Ohio.
Keynote Products Co., John Natch, Partner, 37 - 30th St., Long Island City, N. Y.
Korite, (Inc.), Francis J. Morgan, Treas., 89 Bickford St., Boston, Mass.
Martin& Martin, Wm. E. Martin, Owner, 3005 Carroll Ave., Chicago, Ill.
Matchless Metal Polish Co., L. M. Elmes, Asst. Treas., 840 W. 49th Place, Chicago, Ill.
McVicker, W. B. Co., W. W. Vogt, Secy., 295 Douglass St., Brooklyn, N. Y.
Northwestern Chemical Co., P. L. Riemann, Sales Mgr. on Bd. of Directors, State St., Marietta, Ohio
Noxon Chemical Products Co., (Inc.), Ralph Notteham, Pres., 70 Norris Ave., Newark, N. J.
Olean Products Co., W. L. Whitehouse, Pres., 1129 Capeuse Ave., Scranton, Pa.
Pacific Chemical Co., C. Edgar Sanders, Pres., 1431 N. Main St., Los Angeles, Calif.
Right Polish Co., F. Potter, Treas., 12 Henry St., Bloomfield, N. J.
Robertson, Theo. B. Products Co., (Inc.), Theo. B. Robertson, Pres., 700 W. Division St., Chicago, Ill.
Scranton Chemical Co., Charles Lebowitz, Pres., 405 S. Wash. Ave., Scranton, Pa.
Skat Co., Roger S. Blakeslee, Treas., 410 New Park Ave., Hartford, Conn.

Solarine Co., H. A. Allers, Pres., Smallwood & Eagle Sts., Baltimore, Md.
Solshine Mfg. Co., E. A. Waring, Mgr., 17 Caldwell St., Charlestown, Mass.
Sparkle Chemical Co., Solomon Goldberg, Prop., 50 Vernon Blvd., Long Island City, N.Y.
Stafford, S. S. (Inc.), Chas. D. Roselins, Asst. Treas., 609 Washington St., New York, N. Y.
Sweeney, W. R., W. R. Sweeney, Sole Owner, 340 South Main St., Salisbury, Mo.
United Chemical Co., M. S. Baptiste, Secy., 401 Delaware St., Kansas City, Mo.
U. S. Sanitary Specialties Corp., H. Koppelman, Pres., 435 South Western Ave., Chicago, Ill.

SPEC. NO. 346 - NONRENEWABLE PLUG FUSES

Bryant Electric Co., The, H. P. Harris, Asst. to Gen'l Sales Mgr., Bridgeport, Conn.
Carroll Electric Co., Inc., B. W. Clark, Asst. to Pres., 714 12th St., N. W., Washington, D. C.
Chase-Shawmut Co., The, F. D. Masterson, V. Pres., 374 Merrimack St., Newburyport, Mass.
General Electric Co., Howard R. Sargent, Engr. Merchandise Dept., 1285 Boston Ave., Bridgeport, Conn.
General Electric Supply Corp., J. L. Busey, District Mgr., 378 Stuart St., Boston, Mass.
Jefferson Electric Co., A. E. Tregenza, V. Pres., 1500 S. Laflin St., Chicago, Ill.
Kirkman Engineering Corp., Thos. W. Kirkman, Pres., One Dominick St., New York, N. Y.
Metropolitan Elec. Mfg., Co., P. A. Sheeley, Pres., 14th St. & East Ave., Long Island City, N. Y.

SPEC. NO. 356 - DENTAL AMALGAM ALLOY

(Specification adopted by the American Dental Association which compiled the following list of willing-to-certify manufacturers.)

Adontographic Mfg. Co. (Inc.), Geo. G. Schmidt, Sec., 10 East 23rd St., New York, N. Y.
Brewster, E. R. S., E. R. S. Brewster, Prop., 2730 High St., Chicago, Ill.
Caulk, The L. D. Co., Paul Poetschlee, Director, Dept. of Chemistry, Milford, Del.
Cleveland Dental Mfg. Co., W. S. Smith, Gen. Mgr., 3307 Scranton Road, Cleveland, Ohio.
Crescent Dental Mfg. Co., H. J. Chott, Sec., 1839 So. Crawford Ave., Chicago, Ill.
Dee, Thomas J. & Co., Thomas G. McMahon, Sec., 55 E. Washington St., Chicago, Ill.
Goldsmith Bros. S. & R. Co., Sam L. Adelsdorf, Sec., Heyworth Bldg. 29 E. Madison St., Chicago, Ill.
Halloway, I. A., I. A. Halloway, Prop., 374 Rider Ave., New York, N. Y.
Hammond Dental Manufacturing Co., H. R. Hammond Jr., Mgr., 1358 Michigan Ave., Santa Monica, Calif.
Minirax Co., J. W. Frankel, Owner, Medical & Dental Arts Bldg., Chicago, Ill.
Nelms, Henry & Son, Richard Nelms, Partner, 20 S. 33rd St., Phila., Pa.
Ney, The J. M. Co., B. H. Rector, V. Pres., 71 Elm St., Hartford, Conn.
Smith, Lee S. & Son Mfg. Co., Wm. E. Williams, Treas., 7325 Penn Ave., Pittsburgh, Pa.
Stratford-Cookson Co., R. M. McCormick, Sec., 4058 Haverford Ave., Phila., Pa.
Wildberg Bros. S. & R. Co., H. B. R. Milt, Sec., 742 Market St., San Francisco, Calif.
Young-Baker & Co., W. E. Young, Prop., 2801 Sheffield Ave., Chicago, Ill.

SPEC. NO. 357 - BOILABLE CATGUT LIGATURES (SURGICAL CATGUT SUTURE MATERIAL)

(Being Revised)

Spec. No. 385b - PAPER, FLINT

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.
Armour & Co. of Delaware (Sand Paper Division), Geo. K. Manning, Sales Mgr., 1355 W. 31st St., Chicago, Ill.
Baeder Adamson Co., George H. Halpin, Vice Pres., Richmond Street & Allegheny Ave., Philadelphia, Pa.
Barton, H. H. & Son Co., R. E. Nicholson, Asst. Secy., State Road & Bleigh St., Holmesburg, Philadelphia, Pa.
Behr-Manning Corp., F. E. Gallagher, 1st Vice Pres., Box 74, Troy, N. Y.
Carborundum Co., R. Marvin, Sales Mgr., Niagara Falls, N. Y. (Sheets 9 x 11 or 8-3/4 x 10-1/2 inches only.)
United Hardware & Tool Corp., A. Buttonwood, Secy., 50 Howard St., New York, N. Y.
Wausau Abrasives Co., B. Sawyer, Pres., 32 S. Clinton St., Chicago, Ill.

Spec. No. 386a - PAPER, GARNET

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.
Armour & Co. of Delaware (Sand Paper Div.), Geo. K. Manning, Sales Mgr., 1355 W. 31st St., Chicago, Ill.
Baeder Adamson Co., Geo. H. Halpin, Vice Pres., Richmond St. & Allegheny Ave., Philadelphia, Pa.
Barton, H. H. & Son Co., R. E. Nicholson, Asst. Secy., State Road & Bleigh St., Holmesburg, Philadelphia, Pa.
Behr-Manning Corp., F. E. Gallagher, 1st Vice Pres., Box 74, Troy, N. Y.
Carborundum Co., R. S. Marvin, Sales Mgr., Niagara Falls, N.Y.
United Hardware & Tool Corp., A. Buttonwood, Secy., 50 Howard St., New York, N. Y.
Wausau Abrasives Co., B. Sawyer, Pres., 32 S. Clinton St., Chicago, Ill.

Spec. No. 387b - CLOTH, ABRASIVE, ALUMINUM OXIDE

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.
Armour & Co. of Delaware (Sand Paper Div.), G. K. Manning, Sales Mgr., 1355 W. 31st St., Chicago, Ill.
Baeder Adamson Co., Geo. H. Halpin, Vice Pres., Richmond St. & Allegheny Ave., Philadelphia, Pa.
Barton, H. H. & Son Co., R. E. Nicholson, Asst. Secy., State Road & Bleigh St., Holmesburg, Philadelphia, Pa.
Behr-Manning Corp., F. E. Gallagher, 1st Vice Pres., Box 74, Troy, N. Y.
Brillo Mfg. Co., (Inc.), Miltz B. Cobb, Pres., 205 Water St., Brooklyn, N. Y.
Carborundum Co., R. S. Marvin, Sales Mgr., Niagara Falls, N. Y.
United Hardware & Tool Corp., A. Buttonwood, Secy., 50 Howard St., New York, N. Y.
Wausau Abrasives Co., B. Sawyer, Pres., 32 S. Clinton St., Chicago, Ill.

Spec. No. 388b - CLOTH, EMERY

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.
Armour & Co. of Delaware (Sand Paper Div.), Geo. K. Manning, Sales Mgr., 1355 W. 31st St., Chicago, Ill.
Baeder Adamson Co., Geo. A. Halpin, Vice Pres., Richmond St. & Allegheny Ave., Philadelphia, Pa.
Barton, H. H. & Son Co., R. E. Nicholson, Asst. Secy., State Road & Bleigh St., Holmesburg, Philadelphia, Pa.
Wausau Abrasives Co., B. Sawyer, Pres., 32 So. Clinton St., Chicago, Ill.

Spec. No. 390 - POLISH, SILVER

Baker, C. P. & Co., C. Pitman Baker, Jr., Owner, 503 N. 11th St., Philadelphia, Pa.
Burns, E. Reed, Mfg. Corp., H. R. Burns, Treas., 27 Jackson St., Brooklyn, N. Y. (Powder, Type C only.)
Cantol Wax Co., H. N. Timolat, Gen. Mgr., 211 N. Washington St., Bloomington, Ind.
Converse, W. W. & Co., A. W. Converse, Mgr., (P.O.Box 163) 60 Pleasant St., Palmer, Mass.
Electro Silicon Co., W. Coffin, Pres., 22 Cliff St., New York,N.Y.
Gorham Co., H. C. Hoyt, Secy., Ft.of Earl St., Providence, R.I.
International Metal Polish Co. (Inc.), C. M. Blarisburn, Secy., Quill St. & Belt Railway, Indianapolis, Ind.
Keynote Products Co., John Natoh, Partner, 37 - 30th St., Long Island, N. Y.
Korite, Inc., Francis J. Morgan, Treas., 89 Bickford St., Boston, Mass.
Metalglas Mfg. Co., R. J. McInnes, Secy., Box K, Marengo, Ill.
Miller, Walter W. Co., W. W. Miller, Pres., 557 E. Washington St., Indianapolis, Ind.
Pacific Chemical Co., C. Edgar Sanders, Pres., 1421 North Main St., Los Angeles, Calif.
Right Polish Co., H. Potter, Treas., 12 Henry St., Bloomfield, N. J.
Silver Suds Mfg. Co., Harrison Durand, Pres., 829 N. 19th St., Philadelphia, Pa.
Skat Co., Roger Blakeslee, Treas., 410 New Park Ave., Hartford, Conn.
Solarine Co., H. A. Allers, Pres., Smallwood & Eagle Sts., Baltimore, Md.
Solshine Mfg. Co., E. A. Waring, Mgr., 17 Caldwell St., Charlestown, Mass.
Sparkle Chemical Co., Solomon Goldberg, Prop., 50 Vernon Blvd., Long Island, N.Y.
Wilkey Laboratories (Inc.), Bernard R. Wilkey, Pres., 3147 Fifth Ave., Chicago, Ill.

Spec. No. 473 - WEIGHING SCALES

American Scale Co., J. E. Rieth, Sec., 210 Mfrs. Ex. Bldg., Kansas City, Mo.
Barnes Scale Co., W. J. Barnes, Pres., 6521 John R St., Detroit, Mich.
Beckman Bros., C. Beckman, Pres., 317 S. E. 5th St., Des Moines, Iowa.
Binghamton Scale Mfg. Co. (Inc.), E. H. Olds, Pres., 32 Shear St., Binghamton, N. Y.
Bronis, James, James Bronis, Prop., Box 297, City Hall Station, New York, N.Y.
Buffalo Scale Co. (Inc.), T. L. Richmond, Pres., 1200 Niagara St., Buffalo, N. Y.
Chatillon, John, & Sons, P. T. Bortell, Sales Mgr., 89 Cliff St., New York, N. Y.
Continental Scale Works, A. H. Hutchinson, Pres., 5701 S. Claremont St., Chicago, Ill.
Dayton Scale Co., C. E. Breaden, Supt., 448 Huffman Ave., Dayton, Ohio.
Dixon, Wm. (Inc.), George Baumann, Asst. Sec., 32 E. Kinney St., Newark, N. J.
Exact Weight Scale Co., The, K. B. Neff, Sec., 944 W. 5th Ave., Columbus, Ohio.
Fair Scale Co., August J. Veth, Pres., 1010 W. Main St., Louisville, Ky.
Fairbanks, E. & T., and Co., A. E. Ashcraft, V. Pres., St. Johnsbury, Vt.
Forschner, R. H. Co., R. H. Forschner, Owner, 230 - 3rd Ave., New York, N. Y. (Spring scales only.)
Gaston Scale Co., C. W. Thompson, Gen. Mgr., 2nd St., Beloit, Wis.
Hopken, F. & Son, Edward Hopken, Mgr., 39 Carlton Ave., Jersey City, N. J.
Howe Scale Co., C. A. Lindsay, Branch Mgr., 415 Arch St., Philadelphia, Pa.
Jacobs Bros. Co. (Inc.), C. R. Brady, Asst. Gen. Mgr., 32 Walton St., Brooklyn, N. Y.
Keller, G. P. Mfg. Co., G. P. Keller, Prop., 1388 S. State St., Salt Lake City, Utah.
Kinscher, Henry, & Bro., Henry Kinscher, Co-partner, 224 - 42nd St., Brooklyn, N. Y.
Lincoln Scale Corp., Ross Raymond, Pres., P. O. Box P, Latrobe, Pa.
Morrick Scale Mfg. Co., H. L. Morrick, Pres., 180 Autumn St., Passaic, N. J.
National Packaging Machinery Co., Percy E. Ginn, Sole Owner, 459 Watertown St., Newtonville, Boston, Mass.
National Store Specialty Co., W. E. Shoaffer, Gen. Mgr., Baroville, Pa.
Pelouze Mfg. Co., W. N. Pelouze, Pres., 232 E. Ohio St., Chicago, Ill.
Seederer-Kohlbusch (Inc.), J. E. Seederer, Pres., 149 New York Ave., Jersey City, N. J.
Spotz Mfg. Co., The, C. A. Spotz, V. Pres., 669 Main St., Stamford, Conn.
Standard Computing Scale Co., T. F. Comerford, Pres., 2461 E. Grand Blvd., Detroit, Mich.
Standard Scale & Supply Corp., R. H. Chappel, Pres., 412 - 1st Ave., Pittsburgh, Pa.
Stimpson Computing Scale Co., P. L. Schuhmann, Gen. Mgr., 839 S. Logan St., Louisville, Ky.
Streeter-Amet Co., H. F. Rock, Pres., 4101 Ravenswood Ave., Chicago, Ill.
Toledo Scale Co., C. O. Marshall, Sec., Monroe & Albion Sts., Toledo, Ohio.
Voland & Sons, Inc., H. C. Voland, Sec., Relyea Place, New Rochelle, N. Y.

Spec. No. 582 - PAPER, ABRASIVE, ARTIFICIAL, WATERPROOF

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.

Armour & Co. of Delaware, (Sand Paper Div.), Geo. K. Manning, Sales Mgr., 1355 W. 31st St., Chicago, Ill.

Baeder Adamson Co., Geo. A. Halpin, Vice Pres., Richmond St. & Allegheny Ave., Philadelphia, Pa.

Behr-Manning Corp., F. E. Gallagher, 1st Vice Pres., Box 74, Troy, N. Y.

Carborundum Co., R. S. Marvin, Sales Mgr., Niagara Falls, N. Y.

Korite, (Inc.) Francis J. Morgan, Treas., 89 Bickford St., Boston, Mass.

Spec. No. 583 - PAPER, GARNET, WATERPROOF

American Glue Co., Roger Upton, Asst. Treas., 121 Beverly St., Boston, Mass.

Baeder Adamson Co., Geo. H. Halpin, Vice Pres., Richmond St. & Allegheny Ave., Philadelphia, Pa.

Behr-Manning Corp., F. E. Gallagher, 1st Vice Pres., Box 74, Troy, N. Y.

Carborundum Co., R. S. Marvin, Sales Mgr., Niagara Falls, N. Y.

Korite (Inc.), Francis J. Morgan, Treas., 89 Bickford St., Boston, Mass.

SPEC. NO. 587 - 30 PER CENT RUBBER INSULATION FOR WIRE AND CABLE FOR GENERAL PURPOSES

Alpha Wire Corp., Peter Bucantz, Pres., 520 Broadway, New York, N. Y.
Anaconda Wire & Cable Co., H. N. Otis, Mgr., Rubber Covered Wire Sales, 25 Broadway, New York, N. Y.
Atlantic Insulated Wire & Cable Co., J. H. Maxson, V. Pres., Rome, N. Y.
Austin Co., M. B., The, M. B. Austin, Pres., 108 So. Desplaines St., Chicago, Ill.
Bishop Wire & Cable Corp., W. J. Mundell, V. Pres., 429 East 25th St., New York, N. Y.
Circle Flexible Conduit Co.,(Inc.),Sol Furst, Pres., Woodward & Flushing Aves., Brooklyn, N. Y.
Collyer Insulated Wire Co., W. H. Barney, Asst. Mgr., 249 North Main St., Pawtucket, R. I.
Crescent Ins. Wire & Cable Co., A. H. Battye, Sec., Olden Ave. & Taylor St., Trenton, N. J.
Eastern Tube & Tool Co.,(Inc.),Edwin J. Schneider, Pres., 594 Johnson Ave., Brooklyn, N. Y.
Hazard Insulated Wire Works, Division of the Okonite Co., Carl P. Brodhun, Sales Mgr., 84 Hazle St., Wilkes-Barre, Pa.
National Electric Products Corp., I. A. Bennett, V. Pres., Fulton Bldg., Pittsburgh, Pa.
Paragon Electric Co., E. V. Platt, Sec., 1780 Old Colony Bldg., Chicago, Ill.
Providence Insulated Wire Co., J. H. Brennan, Sales Mgr., 58 Waldo St. Providence, R. I.
Roeblings, John A., Sons Co., James Dewan, Sales Agt., 640 So. Broad St., Trenton, N. J.
Rome Wire Co., E. H. Ethridge, Sec., Rome, N. Y.
Seward Wire Co.,(Inc.),T. J. Seward, Pres., Camden Ave., South Side, Parkersburg, West Va.
Simplex Wire & Cable Co., Wm. T. Davis, Sales Mgr., 201 Devonshire St., Boston, Mass.
Triangle Conduit Co.,(Inc.),H. J. Graham, Treas., Dry Harbor Rd. & Cooper Ave., Brooklyn, N. Y.
Wheeler Insulated Wire Co., The, D. Warren, Pres., 378 Washington Ave., Bridgeport, Conn.

SPEC. NO. 618 - MINIATURE TUNGSTEN FILAMENT INCANDESCENT ELECTRIC LAMPS

Edison Lamp Works of General Elec. Co., P. D. Parker, Asst. Gen. Sales Mgr., Nela Park, Cleveland, Ohio.
Graybar Electric Co., (Inc.,) E. A. Hawkins, Gen. Supply Sales Mgr., 420 Lexington Ave., New York, N. Y.
Tung Sol Lamp Works, (Inc.,) C. C. Bohner, V. Pres., 95 - 8th Ave., Newark, N. J.
Westinghouse Lamp Co., A. E. Allen, V. Pres., 150 Broadway, New York, N. Y.

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